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ABSTRACT

An analysis of academic activities of college faculty at the eight campuses of Chile's Universidad Tecnica del Estado was conducted. Activities were grouped into seven categories: direct teaching, indirect teaching, research, community services, faculty development, academic administration, and other activities. Following the narrative descriptions of data collection and findings are extensive statistical tables which make up the bulk of the document. These concern: the number of faculty per department, courses taught by each faculty member, the number of teaching contact hours per week taught by each faculty, the workload distribution related to activities other than direct teaching, and the number of faculty engaged in faculty development programs and the courses taught by each participating faculty member. Matrix tables show the total weekly hours all faculty members devote to each type of activity, grouped by department and campus. Tables also show: the proportion of hours faculty devote to other activities per each hour devoted to direct teaching; the total number of teaching hours required for each academic department; the weekly teaching load per faculty member by academic department and campus; department majors, as well as instruction for nonmajors; and student-faculty ratios by departments and campuses. (SW)

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UNIVERSIDAD DE SANTIAGO DE CHILE
DEPARTAMENTO DE PLANIFICACION

# FACULTY ACTIVITY ANALYSIS IN THE UNIVERSIDAD TECNICA DEL ESTADO CAMPUSES

Dr. OSCAR KARADIMA

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UNIVERSIDAD DE SANTIAGO DE CHILE

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# FACULTY ACTIVITY ANALYSIS IN THE UNIVERSIDAD TECNICA DEL ESTADO CAMPUSES

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Santiago, Chile, January 1986

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C O N T E N T

INTRODUCTION..... 1

FACULTY ACTIVITY ANALYSIS STUDIES..... 2

ANALYSIS OF THE DOCUMENTATION RECEIVED..... 5

METHODOLOGY TO ANALYZE THE INFORMATION..... 8

ANALYSIS OF THE DATA..... 11

A.- Analysis by Tables..... 12
B.- Analysis by Academic Activities..... 16
C.- Analysis by Academic Departments..... 18
D.- Analysis by Campuses..... 29

CONCLUSION..... 34

BIBLIOGRAPHY..... 36

# FACULTY ACTIVITY ANALYSIS IN THE UNIVERSIDAD TECNICA DEL ESTADO CAMPUSES

## INTRODUCTION

One of the main functions of the Human Resources Division at Planning Office in colleges and universities is the analysis of the utilization that the institution makes of its academic and administrative personnel. The efficiency of an institution is measured in terms of the accomplishment of its mission and goals, as well as the rational use of its resources.

The present study is a faculty activity analysis (FAA) related to the academic department activities of the eight campuses that compose the Universidad Técnica del Estado.(1) This paper constitutes an analysis of the main academic activities performed by individual faculty members, as declared by themselves. Administrative authorities of the university requested, in December 1980, that every campus provide detailed information regarding the weekly academic workload of every full-time professor in each academic department.

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(1) The official name of Universidad Técnica del Estado (UTE) was changed to the Universidad de Santiago de Chile (USACH) in 1981. The eight campuses that composed the UTE in the country, without considering the Santiago Campus, were transformed into new colleges and universities in each of the corresponding cities. Thus, since 1981 the Universidad de Santiago de Chile has only the Santiago campus.

FACULTY ACTIVITY ANALYSIS STUDIES

Faculty Activity Analysis (FAA) studies are intended to relate productivity to the financial resources assigned to each academic department in order to prepare the planning system and the prediction models of the institution. Since the literature on these studies is quite extensive, only the main issues will be presented here.

One of the most important purposes of FAA studies is to analyze faculty workloads and to relate them to financing and budgeting. The Colorado State University's study (1975:2 and 8-15) states that "faculty activity analysis attempts to describe every professional activity in which a faculty member engages and the proportion of time spent on each activity, with particular regard to direct instructional, related instructional, and related professional activities." In other words, as Cox and Burchkart (1979:40) point out, "faculty activity reports show the distribution effort across various categories of instruction, research, public service, advisement and administration."

The main purposes of FAA studies upon which authors agree are (1) budgeting and costs, e.g., faculty compensation, (2) planning and management, e.g., assignment of individual teaching loads, allocation of faculty positions to colleges and departments and justification for requesting additional faculty positions, (3) institutional research studies, e.g., the relationship

between faculty resources, faculty activity, and types of outcomes, as well as the gathering of data for further studies on actual faculty performance and (4) external reporting.(2)

Faculty activity analysis surveys reflect different types of information and outcomes concerning the university, its schools or its departments. Among the most relevant that authors and institutions mention are:

1. The average distribution of time spent by faculty members in the different categories of academic functions. The University of Washington's Office of Planning (1981:1), for example, contends that "the completed FAA form should reflect a distribution of time which is an average of the entire academic quarter."

2. Comparisons of staffing and teaching master tables and profiles for the entire institution, by schools or colleges, and for each academic department, in order to compare faculty resources and faculty measures, or make comparisons of data or information about faculty activities over time. For example, the University of Washington's Office of Planning (1981b:1-6) specifies that

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(2) Similar purposes have been described in FAA studies by the University of Connecticut (1976), Holliman (1977), the Institute for Research in Social Behavior (1978), Shulman (1980), Dressel (1981), the National Science Foundation (1981), Ford and Long (1981), the University of Washington (1981), and doctoral dissertations written, for example, by Gerber (1968), Winkler (1971), Healy (1974), Wisniewiski (1977).

the college/school and academic department comparison tables can provide information on, among other things, faculty count by activity, student credit hours, average student credit hours load per faculty count, cost per student credit hour, contact hours per faculty count, student-faculty ratios, class sizes, and faculty salaries.

3. The measurement and evaluation of instructional costs and cost/effectiveness via faculty productivity and workload analysis. Romney (1971:14), for example, notes that "the calculation of instructional costs per FTE (full time equivalent) student by level of student and/or level of course has been one of the most prevalent analytical uses of faculty activity data."

4. Analysis of student growth and development, the development of new knowledge and art forms, community services and development, and general information about the institution itself, its terms, faculty tenure system, administrative and faculty ranks and the principal departments to which faculty members are appointed.

I have noted (1984:56-58) that

> The literature shows that the two main types of data by FAA surveys are (1) the source of funds and costs that the institutions relies on to budget each program and (2) the main activities performed by colleges and universities through their faculty; i.e., scheduled and unscheduled teaching, continuing education, academic program advising, course and curriculum research and development, student-oriented services, specific and general academic projects, general academic and professional development, committee participation, departmental, school and university-wide administration and professional or public services.
>
> In general, the literature shows that data

> collection techniques and methods of administering these surveys make use of questionnaries or forms, many of which have specified information pre-printed by the computer. These forms may be filled-out by individual faculty members, be group-administered, or be administered via personal interviews. Quite often the information has to be approved by the chairperson. Also, some surveys request information from the entire faculty, others from only a portion or sample.
>
> The processes and forms that collect information on faculty activity should assure (1) that they cover the entire professional life, (2) that the time used is in terms of average hours per week, (3) that they can relate academic activities to their financial sources, (4) that they are capable of modification to meet unique institutional requirements and (5) that they are not so extensive that they become cumbersome. They should also be aware of problems of quality, relevance, accuracy, consistency, validity, usefulness and frequency in the aplication of the methods and techniques designed to collect, analyze and display the information.

Finally, regarding comparisons between different instruments and units in the same organization, Manning and Romney (1973:89) warn us that

> An institution must exercise extreme caution in comparing the results of its surveys with that of another institution. Differences in the instrument that may appear to be small may in fact be significant.

## ANALYSIS OF THE DOCUMENTATION RECEIVED

The data analyzed in this paper is related to (1) the number of faculty members per department, (2) the courses taught by each faculty member, (3) the number of teaching contact hours per week taught by each faculty member, (4) the workload distribution related to activities other than direct teaching, (5) the number of faculty members engaged in faculty development programs and (6) the courses taught by each faculty member engaged in faculty development programs.

This report analyzes the academic activities that faculty members declared to perform during a week. The regional campuses furnished the information in a heterogeneous and in some cases disorganized manner. The campuses did not submit the information in tables that would have allowed an easy comparison and interpretation. On the contrary, some departments (even within the same campus) submitted the information in ways dissimilar to those submitted by other departments. Due to the fact that the information was not requested according to previously established patterns, each professor had to specify the activities he/she performed during an academic week. It is necessary to recognize that this situation permits the detection of a wide range of activities, not all of them actually being of an academic nature. Since the information was heterogeneous, disorganized and hard to process, it was necessary to read it several times before organizing, analyzing and grouping it according to items and types of activities.

In general, it is possible to observe that faculty members tend to fit their academic workload into a 44 hour work week. However, if a professor did not detail his/her weekly academic workload, it was assumed that he/she had a total of 44 clock hours of work per week. These hours were added to those declared by the other faculty members of the same department.

It was possible to detect that, in some cases, activities mentioned were not actually being performed. This is particulary true in the case of activities related

to indirect teaching, research, community services, administration or non-specified activities. Some unusual cases have been detected in which some faculty members claimed to work more than 70 clock hours per week, which means that the person usually works more than 10 hours a day, including Saturdays and Sundays. An explanation of this unusual situation might be that the information requested was not properly understood by the faculty members, or that they considered a regular week as a week in which the workload was above average. On the other hand, there were other faculty members who stated that they usually worked less than 44 hours per week.

These situations require a deeper analysis in relation to the time that faculty members in colleges and universities actually devote to academic activities. This analysis would result in the better utilization and rationalization of the budget assigned to salaries and fringe benefits.

In March 1981, the Human Resources Division of the Planning Office requested that the academic departments of the eight campuses submit information regarding their activities (i.e., teaching, research, community services, faculty development, and administration of the department). The information requested did not demand statements made by individual faculty members, but rather, activities that the department, as a unit, should carry out. This allows for a comparison of the number of hours declared by the faculty members themselves (see tables A and H) with the

hours computed by the Human Resources Division (see tables M). This information makes it possible to conclude that the number of hours declared by the faculty members themselves is superior to that calculated for each academic activity by the Human Resources Division of the Planning Office. This situation can be better observed in direct teaching where very significant differences are detected.

METHODOLOGY TO ANALIZE THE DATA

The first step consisted in reading the data and detecting the type of activities most frequently and consistently reported by faculty members about their weekly workload. Then it was necessary to group the mentioned activities into six major categories: i.e., direct teaching, indirect teaching, research, community services, faculty development and academic administration. Each of these categories was divided into relevant sub-categories of activities. A double input matrix table was designed to feed in the data. The content of this matrix is related to the total of weekly hours that all faculty members declared to work in each of the six activities mentioned (see tables A to G).

Due to the fact that there were some activities which did not fit into the six academic categories, a seventh category was created to refer to non-specified activities and was laballed "other activities."

The matrix tables group the data by department and by campus. In each column, the total of weekly hours

that all faculty members in each department declared to work by activity is indicated.

Tables A, one per campus, show the weekly faculty workload in clock hours per activity, department and campus.

Tables B, one per campus, correspond to the weekly faculty workload per activity, academic department and campus, expressed in a percentage of each activity in relation to the total per department.

Tables C, one per campus, correspond to the weekly faculty workload per activity, department and campus expressed in a percentage of the sub-activities in relation to each of the seven types of activities considered.

Table D contains the weekly mean faculty workload, in clock hours, by activity and campus.

Table E contains the same information as Table D, but the average is expressed in percentages related to the total by activity and campus.

Tables F contain the weekly faculty workload, in clock hours, by activity and similar departments in all campuses. These tables allow us to make comparisons among and between departments that offer same careers or majors.

Tables G contain the same information as Tables F expressed in percentages of the total by department.

Tables F and G also contain a column which

indicates the mean in clock hours and in percentages of those hours.

Tables H contain the summary, in clock hours, of weekly faculty workload by activity, department and campus.

Tables I contain the same information as Tables H expressed in percentage of the total by campus.

Tables J show the relationship between each activity and direct teaching in order to make objetive comparisons. These ratios make it possible to establish the proportion of hours that faculty members devote to other activities per each hour devoted to direct teaching.

Table K-1 indicates the total number of hours that the approved curriculum establishes to be taught by each academic department. Table K-2 shows the number of faculty members in each academic department on all the campuses. Table K-3 shows the weekly teaching load per faculty member by academic department and campus, according to the approved curriculum.

Table L-1 provides information related to the number of students majoring in the department's field of study, as well as teaching to students with other majors or careers, on all campuses. Table L-2 contains student faculty ratios by departments and campuses.

Tables J, K and L are used to carry out a comparative analysis of the information. Data regarding the number of clock hours that the academic departments

have to serve does not indicate something significant by itself until it is compared to other types of information such as, the approved curriculum, the number of major students, the number of disciplines taught, and the relationship to direct teaching. The analysis of the information related to similar departments (i.e., those with the same major and curriculum on different campuses) provides comparisons among the campuses that have similar majors. Although the curriculums are the same, the number of students may vary from one campus to another. It might be possible to conclude, then, that something abnormal occurs if it is observed that faculty members claim to devote proportionally twice as many teaching contact hours as do other similar departments on other campuses.

Tables M contain information regarding the department workload by campus in each academic activity as requested by the Human Resources Division of the Planning Office in March 1981.

ANALYSIS OF THE DATA

Some specific situations are analyzed because they are considered as different in relation to what usually occurs in academic activities. These situations were detected when processing the data. The analysis of the information received is made by (A) tables, (B) academic activities in relation to direct teaching, (C) academic departments and (D) campuses.

A.- Analysis by Tables

The observations made here refer to situations that appear to be significant for their peculiar features. For further details it is necessary to see the data provided in the included tables.

1.- Tables A, H and I

As far as direct teaching is concerned, it is possible to observe that the Departments of Pure Sciences of the Antofagasta, Copiapó and La Serena campuses present non-similar figures, while on the other campuses, the figures presented are more homogeneous. The Institutes of Technology of the Antofagasta and Valdivia campuses spend much more time than the other campuses in direct teaching, while in the Temuco campus the Institute of Technology devotes only 6 hours per week.

Figures corresponding to indirect teaching show that there is a tendency to spend more time in preparing classes, writing class notes and correcting tests than in attending students.

The Department of Chemistry at the Punta Arenas campus shows a considerable number of hours devoted to research activities. However, on other campuses the amount of time devoted to these activities is fairly low. It would be interesting to check these figures against those that the Department of Scientific and Technological Research at the university-wide level has, as well as check these figures against their publications.

Faculty development activity is poor regarding graduate studies leading to doctorate or masters degrees. The tendency is to dedicate more hours to non-specific studies.

Regarding community service activities, the most time is dedicated to non-specified ones, while few hours are dedicated to courses for the university's staff, students and the public in general.

The greatest number of hours devoted to academic administration is related to departmental chairmanship, supervising academic areas and coordinating academic and administrative activities.

Finally, campuses devote a great number of hours to non-specified activities. For the purposes of this report, they have been grouped in the category "other activities."

2.- Tables B

The amount of time, in percentage, devoted to direct teaching is relatively similar among campuses, with the exception of the Department of Geomeasurement at the Antofagasta, Copiapó and La Serena campuses. These departments spent aproximately 43 percent of the total work hours in direct teaching. The Sports Department dedicates more than 56 per cent of the total workload to teaching because they do not perform research and community service activities.

Clas preparation, note-writing and abstracting

activities represent 40 per cent of the total number of hours devoted to indirect teaching, while tutoring students barely reaches 18 per cent.

It is possible to observe that, in general, campuses tend to spend a small amount of time in activities other than teaching.

3.- Tables C

In indirect teaching, the Sports Department of the La Serena and Temuco campuses devote 100 per cent of their time to class preparation, while dedicating no time to tutoring students. Regarding research, the faculty members of the Department of Pure Sciences on the Valdivia campus engage in research activities only on an individual basis. This means that they do not undertake research projects in groups. The Department of Scientific and Technological Research at the university-wide level should be requested to indicate if this situation is due to either the low academic quality of the projects submitted for official support or the Santiago campus monopolizing financial resources and academic support for research projects. If the latter is the case, this situation may motivate faculty members to work mainly on an individual basis.

4.- Table D

In direct teaching the average number of contact hours fluctuates between 137 to 233. In indirect teaching, the highest mean is shown for the Antofagasta and Temuco

campuses. In research activities, the highest average is found for the Talca campus with 38 hours per week, while the lowest is found for the Concepción campus with 6 hours per week. Faculty development activity is greater on the Concepción campus with 59 hours per week, while the Temuco and Punta Arenas campuses devote 20 hours. In community service activities, that in general tend to be low, the mean is greater on the Talca campus. The average number of hours devoted to academic or administration activities varies substantially since the Concepción campus devotes 85 hours per week to them, while the Punta Arenas campus devotes only 38 hours per week.

5.- Table E

In indirect teaching the greatest outstanding average in percentage refers to class preparation. It is observed that campuses devote proportionally the same amount of time to this activity. In research, campuses devote more time to group research, with the exception of the Concepción campus. In faculty development programs the Talca campus devotes an average of 66 per cent of its time to studies leading to Bachelor degrees. In community service activities, campuses devote the most time to non-specified activities. Regarding academic administrative activities, the most significant average observed is devoted to supervisory tasks.

6.- Tables F and G

In the following section the analysis will be made on the basis of related academic departments. It is

suggested that these tables be considered when reading the next section.

B.- Analysis by Academic Activities (see Tables J)

A comparative analysis can be made among the academic activities performed by departments. As has been pointed out, these comparisons calculated through ratios are made in relation to direct teaching.

1.- Relationship Between Indirect and Direct Teaching (Ratio)

In general, a similar ratio is observed for all the departments with the exception of the Institute of Technology at the Copiapó campus where the ratio is 0.3 and the Temuco campus where the ratio is 4.0. Differences could be explained because the number of students who attended the Temuco campus was grater than that at the Copiapó campus.

2.- Relationship Between Research and Direct Teaching (Ratio)

In general, it is observed that ratios are relatively similar regarding these activities for all departments. However, the small amount of time dedicated to research activities as compared to direct teaching in all campuses is surprising, since in none of the departments the ratio aproximates 1.0 with the exception of INDITEC in the La Serena campus which is basically a research center.

3.- Relationship Between Faculty Development and Direct Teaching (Ratio)

In general, it is observed that the ratios regarding these activities are not close to 1.0 with the exception of some Departments of Pure Sciences , the Department of Chemistry at the Antofagasta campus, the Department of Electricity and Wood Technology at the Concepción campus where the ratio is 0.7.

4.- Relationship Between Community Services and Direct Teaching (Ratio)

In general, in all campuses the ratios are similar and very low. Only in the Department of General Studies at the Copiapó and Punta Arenas campuses does the ratio go over 0.5. It is only in certain departments where the ratios go over 0.3.

5.- Relationship Between Academic Administration and Direct Teaching (Ratio)

In this case the figures are not very similar. There are several departments in which the ratio goes over 0.7. There is the extreme case of the Institute of Technology at the Temuco campus, where the ratio reaches a 7.0; that is,seven hours per week dedicated to administration for each hours dedicated to direct teaching. It is surprising that, in general, the administration/ direct teaching ratios are grater than research/direct teaching ratios and faculty development/direct teaching ratios. This circumstance proves, once again, the low

interest in these activities, and that a lot of time is spent in administrative tasks.

C.- Analysis by Academic Department (see Tables F and G)

It is very interesting to compare departments that offer similar careers or majors, and consequently, have similar curriculum and study programs for students, as well as perform similar academic activities. Tables F and G show faculty workloads in similar departments throughout the university campuses. An analysis by similar academic departments follows. We also observe that these tables present an average column, both in clock hours and in percentages, that allows comparisons among similar departments in different campuses, and between each department and the average.

1.- Departments of Pure Science (see Tables F-1 and G-1)

Most campuses devote from 240 to 340 clock hours per week to direct teaching activities. The Copiapó and La Serena campuses go far beyond the average by devoting 515 and 403 hours to these activities respectively. Regarding indirect teaching, the campuses that devote more time are Temuco (692 hours per week) and Antofagasta (664 hours per week). The la Serena and Talca campuses devote approximately 260 hours per week.

The analysis becomes richer if the figures are compared to the number of majors, the number of students enrolled and the number of contact-hour required by the corresponding curriculum. Tables K and L refer to the approved curriculum and the number of students,

information that allows for comparison-making. The faculty at the Copiapó campus claim to spend 515 hours per week in direct teaching, but the curriculum requires only 316 hours, offering 6 majors and having 757 students. On the other hand, the Concepción campus faculty claim to spend only 288 hours per week in direct teaching, with a curriculum that requested 101 contact-hours, but offering only 4 majors and having 1097 students. It is possible to ask which of the two campuses offers better teaching, and which one is more rational in the uses of human and economic resources.

Regarding research activities, the Valdivia campus devotes only 2 hours per week to them, whereas the Temuco campus dedicates 8 hours. The other campuses devote between 20 and 46 hours per week. In faculty development programs, the units which devote more time per week to this activity are the La Serena (279 hours), Valdivia (228 hours) and Antofagasta (206 hours) campuses. In general, these campuses dedicate few hours a week to community services. The La Serena campus, however, devotes 69 hours per week to this activity.

It might be suggested that not only more time per week should be devoted to research and faculty development, but also more resources should be allocated in order to raise both the academic level and the performance of the faculty personnel.

It is possible to note that, in some campuses, the number of hours devoted to academic administration

activities, and to non-specified activities, is greater than the number of hours dedicated to research and faculty development activities. The faculty at the Concepción campus, for example, claim to devote 215 hours to administration and 104 hours to non-specified activities, while they only devote 4 hours per week to research. The Antofagasta and Concepción campuses that have a similar number of students, differ in the amount of time they dedicate to administration.

2.- Department of Sports (see Tables F-2 and G-2)

It is surprising that faculty members claim to perform teaching activities while there are no registered students in this department, as Table L-1 indicates. Besides, the approved curriculum contemplates contact-hours only for the Talca campus, as Table K-1 shows.

Faculty members claim to spend hours in administration and in non-specified activities.

3.- Department of Electricity (see Tables F-3 and G-3)

In general, the campuses are close to the average of 206 hours per week spent in direct teaching activities, Temuco being the campus that goes far beyond the average with 324 hours per week. Regarding indirect teaching, the Temuco campus claims the highest figure (593 hours), exceeding the average of the other campuses. It is possible to observe that the Temuco campus exceeds the number of hours declared, both in direct and indirect teaching activities, in relation to the number of majors offered, the number of students served and the curriculum

requirement.

In research activities, the number of hours claimed by each campus is relatively similar to the average. In faculty development programs, the campuses claim to dedicate more time to studies leading to academic degrees, the Concepción campus being the one that claims to devote more time to this activity. The Antofagasta and Punta Arenas campuses did not declare faculty development activities. All the campuses devote a relatively similar amount of time to community service activities, with the Punta Arenas campus being the one that dedicates the least amount of time.

In relation to academic administration activities, the average number of hours devoted to them is 99 hours per week. The Punta Arenas campus claims to spend only 32 hours per week. The Concepción campus does not detail the activities in which it claims to spend the 122 hours devoted to academic administration. Figures are relatively similar for all campuses regarding academic administration.

4.- Department of Geomeasurement (see Tables F-4 and G-4)

In connection with direct and indirect teaching activities, all campuses claim to devote different amounts of time per week, the Antofagasta campus being the one that is above the average. It is necessary to note that the number of contact-hours required by the curriculum is similar to the number of hours that the faculty claim to devote to direct teaching activities only in the Antofa-

gasta and Copiapó campuses.

The number of students enrolled and the number of majors offered on the Antofagasta and La Serena campuses is lower than on the Copiapó campus. However, the Antofagasta and La Serena campuses claim to spend a greater amount of time in direct and indirect teaching activities. It is possible, then, to question the quality of the teaching offered as well as the rational use of the human resources available.

The three campuses claim to devote an extremely small number of hours to research, faculty development and community service activities. The campus that devotes the least amount of time to academic administration activities is Antofagasta (16 hours), the average being 29 hours per week. The La Serena campus devotes more hours per week to administrative activities, but has a small number of students.

5.- Department of Mechanics (see Tables F-5 and G-5)

The number of hours per week that the faculty claims to devote on the average to direct teaching activities is 218. The Temuco campus shows the greatest number (316 hours).

The average in indirect teaching activities is 308 hours per week, the Temuco campus also being the one that shows a greater number (519 hours). When comparing these figures in relation to the curriculum, the number of students and the majors offered, it can be observed

that the number of hours that each campus devotes to direct teaching is quite close to the number of hours established by the approved curriculum. The Temuco campus is the only one that goes beyond. The number of students served varies among campuses, from 341 to 1,000 students.

Regarding research activities, the Antofagasta and Talca campuses claim to devote more hours (51 and 42 per week) than the other campuses. Surprisingly the Concepción campus claims only 4 hours per week devoted to research. The number of hours in faculty development programs is relatively low, the Temuco campus claiming the most (48 hours per week). In community service activities the average is also low.

In academic administration activities, the La Serena and Concepción campuses claim more hours than the average (120 and 122 hours per week each one). The Punta Arenas campus claims only 28 hours per week for this activity, while the Antofagasta campus serves a greater number of students.

6.- Department of Mining (see Tables F-6 and G-6)

The number of hours devoted to direct teaching is quite similar in the three campuses. The La Serena campus dedicates 202 hours per week to direct teaching and only 86 hours to indirect teaching. Campuses devote few hours to tutoring students. The three campuses have to serve a similar number of contact-hours according to the approved curriculum. The number of students and majors offered are quite similar on the three campuses.

The La Serena campus devotes fewer hours to research activities than other campuses. Only the Copiapó campus dedicates time to faculty development programs. Community service activities are scarce.

The La Serena campus devotes more time to academic administration activities in comparison to what it devotes to research.

7.- Department of Chemistry (see Tables F-7 and G-7)

The number of hours that the faculty claims to devote to direct teaching and indirect teaching activities is very similar for the two campuses that have a Chemistry department. However, by comparing them in relation to the number of contact-hours established by the curriculum, the number of majors offered and the number of students on each campus, it can be observed that the Antofagasta campus attends more students than the Punta Arenas campus, although the contact-hours requested by the curriculum and the number of careers offered is the same. It is also important to analyze the quality of teaching and how rational the use is of the human and economic resources available.

Regarding research activities, the Antofagasta campus claims to spend 48 hours per week, while the Punta Arenas campus spends 142 hours. In faculty development programs, the Antofagasta campus dedicates only 120 hours. In community service activities both departments spend aproximately the same amount of time per week.

In academic administration activities, both campuses claim to devote 79 hours per week. The fact that more hours are dedicated to administration than to research does not occur in these departments, which is quite strange all things considered, since the Antofagasta campus serves more students than the Punta Arenas campus.

8.- Academic Secretary (see Tables F-8 and G-8)

It is surprising to find teaching studies in a unit that mostly performs administrative functions. This situation might be explained by the fact that some of the staff who work in it may be faculty personnel that perform academic activities in academic departments.

9.- Institutes of Technology (see Tables F-9 and G-9)

In direct teaching, the Temuco campus dedicates only 6 hours per week, the average being 71 hours. The Institute located in Puerto Montt, which belongs to the Valdivia campus, devotes 139 hours per week to direct teaching. As far as indirect teaching is concerned, it is observed that with an average of 109 hours per week, the Antofagasta campus is well above this average with 276 hours per week. The Copiapó campus falls far below this average, with only 19 hours per week. The amount of time that faculty members at the Antofagasta campus claim to devote to attending students is also interesting to note. Surprisingly the number of contact-hours required by the curriculum in direct teaching is, in all cases, superior to that claimed by the faculty as actually spent during a week. Also, even though the Concepción campus

attends more students than the Antofagasta and the Valdivia campuses, the number of hours spent in direct teaching claimed by the Concepción campus is almost half that claimed by the Antofagasta and Valdivia campuses.

In general, the campuses dedicate very little time to research, faculty development and community service activities.

The number of hours devoted to academic administration activities is relatively similar on all campuses, with the exception of the Antofagasta campus in which the number is greater. The Concepción campus serves a greater number of students than the other campuses, but claims only 55 hours per week devoted to academic administration.

10.- Department of Civil Works (see Tables F-10 and G-10)

Regarding direct teaching activities, the three campuses spend approximately the same amount of time. However in indirect teaching there are marked differences in relation to the number of hours declared by the La Serena campus (88 hours) and those declared by the Valdivia campus (284 hours). The La Serena campus dedicates proportionally less time to indirect teaching than to direct teaching. The number of contact-hours devoted to direct teaching is very close to that required by the curriculum at the La Serena campus. However, even though the amount of students at the La Serena and Temuco campuses is greater than the number at the Valdivia campus, the time that the latter devotes to direct

teaching is greater.

The three campuses state that they dedicate very little time to research, faculty development, and community service programs.

In academic administration, the La Serena campus claims to devote twice as much time as the average of the two other campuses, in spite of the fact that the La Serena campus has to attend to a number of students relatively equal to those attended by the Temuco campus.

11.- Department of Administration and Economics (see Tables F-11 and G-11)

The three campuses dedicate a similar number of hours per week to direct and indirect teaching activities. However, the figures are far below the number of hours required by the curriculum, which is close to 175 contact-hours per week in direct teaching. Moreover, the Temuco campus attends almost twice the number of students than the other two campuses.

The three campuses devote very little time to research, community service and faculty development programs.

On average, the number of hours devoted to academic administration is relatively similar and low. However, even though the number of students served is relatively similar, the Punta Arenas campus devotes twice as much time as does the Talca campus to academic administration.

12.- Department of General Studies (see Tables F-12 and G-12)

The average number of hours devoted to direct teaching is 124 hours per week, the Temuco and Valdivia campuses being the extreme cases with only 12 hours per week, and Talca with 385 hours per week. A similar situation occurs with indirect teaching. In connection with the number of students attended, the Talca campus devotes more hours to direct teaching because it has to attend a greater number of students. However, even though the Punta Arenas campus must attend more students than, for example, the Copiapó campus, it devotes fewer number of hours per week to direct teaching. The rational utilization of human resources and the quality of the teaching provided are issues that deserve to be analyzed in a more thorough manner.

As far as research is concerned, the Talca campus devotes more hours than the Punta Arenas campus, which devotes only 4 hours per week, to this activity. The Talca campus dedicates more hours than all other campuses to faculty development programs. In community service activities, the figures are quite similar, with the exception of the Temuco campus which devotes only 4 hours per week.

The average number of hours devoted to academic administration is 16 per week. The Copiapó campus claims 87 hours, and the Valdivia campus only 19 hours per week. However, the Copiapó campus is the campus that attends the least number of students.

D.- Analysis by Campus

In order to analyze the information by campus, the data was compared to activities that appeared to be different from the normal functioning of the academic activities.

1. The Antofagasta Campus

The person in charge of the Sports Department claims to work 60 hours per week, 20 of which are devoted to administrative duties. One faculty member in the Mechanics Department claims to perform only administrative duties, both as head of the laboratory and in community service activities. The chairman of the Institute of Technology claims to devote 44 hours per week both to administrative duties proper to this position and in-service-training activities of the campus. It is possible to conclude that the faculty members mainly engaged in non-academic activities, and therefore, that human resources utilization was not good.

2. The Copiapó Campus

In general, data was reported according to what was expected from an academic unit.

3. The La Serena Campus

In the Department of Civil Works, one professor claims to work only 31 hours per week, of which 11 are devoted to teaching activities. He does not provide information on his activities during the rest of his weekly workload which is supposed to cover 44 hours.

There are some faculty members in the Department of Pure Sciences who claim to devote 20 hours per week to administrative duties. They do not specify the functions they perform the rest of the time. The chairman of the Institute of Technology claims to work 52 hours per week, out of which 22 are devoted to non-specified activities.

4. The Talca Campus

In general, data was reported according to what was expected from an academic unit.

5. The Concepción Campus

Two faculty members in the Department of Pure Sciences claim to hold full-time administrative positions in the campus' central administration office. In the Department of Architecture, one faculty member claims to devote 46 clock hours per week to teaching activities, 8 hours to research and 8 hours to have his lunch, totaling a 62 clock hour weekly workload. Another faculty member claims to work 11 hours per week on an official assignment given to him by the regional government. In the Department of Electricity the chairman claims to work 60 hours per week, 30 of which are dedicated to the administration of the department. In the Mechanics Department one person claims to dedicate 25 hours per week to administrative activities as coordinator to the Welfare Office of the Campus, while the chairman of the same department claims to dedicate only 21 hours to do his job. At the Institute of Technology, one faculty member claims to work 20 hours as head of studies, while

the chairman concedes 16 hours to the administration of the department without claiming to devote the rest of his workload to academic activities.

6.- The Temuco Campus

A professor in the Department of Electricity claims that he devotes 44 hours per week to his position as Registrar without performing any teaching activities. A professor of the Department of Pure Sciences points out that he devotes half of his time to acting as head of the Office of Communication and Community Services of the Campus. In the Department of Civil Works some professors claim to carry out non-university activities in the Regional Secretary of Mining and Watering. At the Institute of Technology, one faculty member claims to work only 32 hours per week.

It is possible to observe that many faculty members devote time to administrative activities rather than to teaching, research or faculty development.

It might be concluded that the academic level of the campus is not as high as it should be due to the great participation and involvement of the academic personnel in administrative work.

7.- The Valdivia Campus

Faculty members in the Department of Civil Works only specify the number of hours dedicated to direct teaching without indicating, as it was requested, other activities they perform and the number of hours they

devoted to each. Besides, six professor point out that they perform functions as heads of administrative areas. Among the administrative activities mentioned (without indicating the number of hours devoted to them) they mention activities related to writing official documents, meetings, sports coaching, etc. One person claims to teach chess to students in the Sports Department. Two faculty members of the Department of Pure Sciences do not provide the number of hours they devote to their academic activities. It was then necessary to assume their workload as 44 hours per week for each one. The main activities of one professor in the Department of Ship Construction are the participation in the Puerto Montt Fishing Project, the direction of the Pumantú Tourism Society, the preparation of publications, the designing of projects for customers, the servicing of customers, some work assignments, and as the fiscal instructor in an administrative indictment. This person does not claim to participate in such academic activities as teaching or research.

Two professors of the Department of Electricity do not indicate the number of hours they devote to their academic activities. It was, then, necessary to assume their workload as 44 hours per week for each one. There are some faculty members in this department who participate in non-university activities such as the Radio Club, radio programs, the Fire Brigade, or others. Some professors in the Mechanics Department claim to be engaged in activities related to reading of joursnals, searching for bibliography and the study of non-academic issues. They claim to devote

6 hours per week to these activities. Some in the Institute of Technology indicate only the number of hours dedicated to direct teaching, without specifying other activities peformed and the number of hours devoted to them.

It is also possible to observe that the academic personnel at this campus is devoted to a variety of quite dissimilar and non-academic activities. Faculty activity analysis shows that academic resources are being underutilized.

8.- The Punta Arenas Campus

Professors of the Department of Biological Sciences claim to dedicate 37 clock hours per week to classroom activities. However, this appears to be unrelated to the curriculum. A professor of the Department of Electricity points out that he devotes 6 hours per week to student registration and credit taking procedures. However, this type of activity is performed only at the beginning of each term. A professor of the Department of Mechanics claims to dedicate 6 hours per week to acting both as Manager of the Purchase Division and Manager of the Staff's Welfare Bank. However, these two units are not included in the campus organizational system. The campus Vice-Rector and the Academic Secretary belong to the Chemistry Department. They also claim to devote 18 hours per week to teaching activities in the department. Some professors of the Department of Economics and Administration claim to perform administrative activities, such as the chairmanship of the campus cafeteria committee,

sports, coaching the chess team, participation in the Board Staff's Bank, and participation in the committee for the reorganization of sports activities in the campus.

Many faculty members are engaged in non-academic activities. This situation may diminish the academic excellence of the campus.

CONCLUSION

It is possible to observe that:

Campuses devote a great number of hours to non-specified activities.

In general, the administration/direct teaching ratios are greater than research/direct teaching ratios and faculty development/direct teaching ratios. This circumstance proves that a lot of time is spent in administrative tasks. Due to this fact, it is possible to question the rational use of the faculty members available.

The Santiago campus tends to monopolize financial resources and academic support for research projects. This situation may motivate faculty members in the regional campuses to work mainly on an individual basis.

It is necessary to analyze the quality of teaching activities and how rational the use is of the human and economic resources available. These issues deserve to be analyzed in a more thorough manner.

It is necessary to carry out an even more

thorough faculty activity analysis study, focusing on the activities performed by the campuses of the university. At first glance, it seems that faculty members tend to claim a number of hours devoted to certain activities superior to those actually devoted, with the exception of direct teaching in which, due to the existing curriculum, the control is surer.

Lastly, it is suggested that there should exist a greater control by the local authorities of each campus regarding the activities performed by the faculty. This control should be made not only through the amount of time spent by each faculty member in their job, but mainly, on the basis of the academic workload carried by each person.

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# TABLES

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TABLE A-1

UNIVERSIDAD TECNICA DEL ESTADO

ANTOFAGASTA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistr. | Academic Secreta. | Techno-logy |
| I.- DIRECT TEACHING (Contact hours) | 311 | 16 | 196 | 114 | 216 | 138 | 198 | 24 | 121 |
| II.- INDIRECT TEACHING | 664 | 18 | 221 | 122 | 381 | 130 | 319 | 52 | 276 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 454 | 6 | 153 | 77 | 289 | 90 | 187 | 27 | 137 |
| 2.- Correction of tests, reports, excercises and theses | 39 | 2 | 22 | 10 | 32 | 12 | 29 | 5 | 18 |
| 3.- Attention to students | 171 | 10 | 46 | 35 | 60 | 28 | 103 | 20 | 121 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |





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Continued Table A-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistr. | Academic Secreta. | Techno-logy |
| III.- RESEARCH | 26 | | 72 | 2 | 51 | 30 | 48 | 8 | |
| 1.- Group or team research activities | 26 | | 72 | 2 | 51 | 30 | 48 | 8 | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 206 | | | | | | 120 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 84 | | | | | | 4 | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 12 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | 88 | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | 16 | | |
| 5.- Other studies | 122 | | | | | | | | |
| V.- COMMUNITY SERVICES | 28 | 6 | 67 | 10 | 18 | 14 | 16 | | |
| 1.- Participation in non-specified community service activities | 28 | 6 | 67 | 10 | 18 | 14 | 16 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table A-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Minig | Chemistr | Academic Secretar | Techno-logy |
| VI.- ACADEMIC ADMINISTRATION | 83 | 20 | 103 | 16 | 91 | 40 | 79 | 4 | 93 |
| 1.- Chairmanship | 20 | | 12 | 8 | 30 | 14 | 22 | | 44 |
| 2.- Head of studies | | 20 | | | 2 | | 2 | | 26 |
| 3.- Coordination of areas | | | | | 24 | | 6 | 4 | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | 4 | | | | |
| 6.- Coordination of laboratories and workshops | | | | | 24 | | 8 | | |
| 7.- Coordination of students' professional practice | | | | | 1 | | 3 | | 15 |
| 8.- Coordination of community services | | | 23 | | 3 | | | | |
| 9.- Coordination of public services | | | | | | | 16 | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | 63 | | 30 | 8 | 3 | 26 | 22 | | 8 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | 38 | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |



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Continued Table A-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistry | Academic Secretar | Techno-logy |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 1318 | 60 | 659 | 264 | 757 | 352 | 780 | 88 | 480 |

Source: According to statements made by faculty members themselves during first semester in 1982



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TABLE A-2

UNIVERSIDAD TECNICA DEL ESTADO

COPIAPO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur | Mining | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 515 | 54 | 157 | 84 | | 184 | 206 | 59 | |
| II.- INDIRECT TEACHING | 557 | 24 | 202 | 74 | | 75 | 262 | 19 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 272 | | 47 | 30 | | 44 | 132 | 12 | |
| 2.- Correction of tests, reports, excercises and theses | 29 | | | 31 | | 3 | 49 | 4 | |
| 3.- Attention to students | 222 | 24 | 65 | 13 | | 19 | 39 | | |
| 4.- Supervision of assistants and field work | 34 | | 40 | | | | 14 | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | 9 | 6 | 3 | |
| 6.- Participation in dissertation committees | | | 3 | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | 4 | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | 47 | | | | 18 | | |



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Continued Table A-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur. | Mining | Techno-logy | |
| III.- RESEARCH | 46 | | 41 | 6 | 132 | 35 | 33 | | |
| 1.- Group or team research activities | 46 | | 41 | 6 | 132 | 35 | 33 | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 201 | | | | | 19 | 44 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 88 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 24 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | 113 | | | | | 19 | 20 | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 42 | | 79 | | | 27 | 5 | 3 | |
| 1.- Participation in non-specified community service activities | 40 | | 65 | | | 17 | 5 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 4 | | | | | | |
| 3.- Participation in cultural activities | 2 | | 10 | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 10 | | | |
| 6.- Project production | | | | | | | | 3 | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table A-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur. | Mining | Technology | |
| VI.- ACADEMIC ADMINISTRATION | 41 | 10 | 87 | 24 | | 62 | 40 | 51 | |
| 1.- Chairmanship | 14 | 10 | 25 | 12 | | 24 | 30 | 30 | |
| 2.- Head of studies | | | | | | 6 | | | |
| 3.- Coordination of areas | 20 | | | | | 24 | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | 8 | | | |
| 6.- Coordination of laboratories and workshops | 5 | | 20 | 10 | | | | 13 | |
| 7.- Coordination of students' professional practic | | | 30 | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | 12 | | | | | 8 | |
| 11.- Other activities in academic administration | 2 | | | 2 | | | 10 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table A-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur | Mining | Technology | |
| VII.- OTHER ACTIVITIES | 9 | 45 | | 20 | | | 44 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | 14 | | | | | |
| 2.- Technical advisories | | | | 2 | | | | | |
| 3.- Membership in non-University committees | | | | 2 | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 45 | | | | | | | |
| 6.- Non-departmental meetings | | | | 2 | | | | | |
| 7.- Healt licenses | | | | | | | 44 | | |
| 8.- Other non-specified activities | 9 | | | | | | | | |
| TOTAL DEPARTMENT | 1411 | 133 | 566 | 208 | 132 | 402 | 634 | 132 | |

Source: According to statements made by faculty members themselves during first semester in 1982







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TABLE A-3

UNIVERSIDAD TECNICA DEL ESTADO

SERENA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomea-surement | Pure Sciences | Investi-gation | Academic Secretary | Sports | Technolo-gy |
| I.- DIRECT TEACHING (Contact hours) | 202 | 218 | 151 | 116 | 403 | 20 | 26 | 58 | 44 |
| II.- INDIRECT TEACHING | 86 | 167 | 88 | 83 | 271 | 14 | 25 | 7 | 46 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 50 | 100 | 50 | 50 | 200 | 14 | 20 | 7 | 30 |
| 2.- Correction of tests, reports, excercises and theses | 10 | 26 | 20 | 10 | 20 | | 2 | | 16 |
| 3.- Attention to students | 26 | 41 | 18 | 23 | 51 | | 3 | | |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |



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Continued Table A-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanics | Civil works | Geomea-surement | Pure Sciences | Investi-gation | Academic Secretary | Sports | Techno-logy |
| III.- RESEARCH | 3 | | 10 | 10 | 43 | 80 | | | |
| 1.- Group or team research activities | 3 | | 10 | 10 | 43 | 80 | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 10 | 19 | | 279 | | | | 11 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | 10 | 19 | | 279 | | | | 11 |
| V.- COMMUNITY SERVICES | 10 | 34 | 5 | 1 | 69 | | | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 7 | 34 | 5 | 1 | 69 | | | | |
| 3.- Participation in cultural activities | 3 | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table A-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomeasurements | Pure Sciences | Investigation | Academic Secretar | Sports | Technology |
| VI.- ACADEMIC ADMINISTRATION | 109 | 120 | 136 | 46 | 160 | 26 | 40 | 11 | 39 |
| 1.- Chairmanship | 30 | 30 | 30 | 30 | 30 | | | | 34 |
| 2.- Head of studies | | | | 4 | 20 | | | | |
| 3.- Coordination of areas | | 33 | 20 | | 30 | | 10 | | 5 |
| 4.- Coordination of sections | 20 | 7 | | | 40 | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | 31 | 40 | 60 | 10 | 20 | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 6 | 2 | | | 30 | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 6 | | | | | | | | |
| 11.- Other activities in academic administration | 22 | 10 | 20 | | 20 | 26 | | 11 | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table A-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomeasu-rement | Pure Sciences | Investi-gation | Academic Secretar | Sports | Techno-logy |
| VII.- OTHER ACTIVITIES | 13 | | 66 | 1 | 99 | | | | 1 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | 20 | | | | | | |
| 3.- Membership in non-University committees | | | 5 | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | 13 | | 43 | 1 | 99 | | | | 1 |
| TOTAL DEPARTMENT | 423 | 549 | 477 | 257 | 1324 | 140 | 91 | 76 | 141 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE A-4

UNIVERSIDAD TECNICA DEL ESTADO

TALCA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Administ Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| I.- DIRECT TEACHING (Contact hours) | 56 | 315 | 385 | 176 | | | | | |
| II.- INDIRECT TEACHING | 86 | 259 | 247 | 200 | | | | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 68 | 126 | 164 | 108 | | | | | |
| 2.- Correction of tests, reports, excercises and theses | | | | | | | | | |
| 3.- Attention to students | 18 | 133 | 83 | 92 | | | | | |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |



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Continued Table A-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| III.- RESEARCH | 16 | 28 | 67 | 42 | | | | | |
| 1.- Group or team research activities | 16 | 28 | 67 | 42 | | | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 86 | 107 | 3 | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | 86 | 44 | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 40 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 23 | 3 | | | | | |
| V.- COMMUNITY SERVICES | 8 | 28 | 58 | 23 | | | | | |
| 1.- Participation in non-specified community service activities | 8 | 28 | 58 | 23 | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

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Continued Table A-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | |
| VI.- ACADEMIC ADMINISTRATION | 16 | 108 | 28 | 84 | | | | |
| 1.- Chairmanship | 16 | 24 | 8 | 30 | | | | |
| 2.- Head of studies | | 22 | | | | | | |
| 3.- Coordination of areas | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 4 | | | | | |
| 6.- Coordination of laboratories and workshops | | 18 | 8 | 10 | | | | |
| 7.- Coordination of students' professional practice | | | 8 | | | | | |
| 8.- Coordination of community services | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | |
| 10.- Department meetings | | | | | | | | |
| 11.- Other activities in academic administration | | 12 | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | |
| 13.- Head of planning offices | | | | 16 | | | | |
| 14.- Registrar's office | | | | | | | | |
| 15.- Academic secretary | | | | | | | | |
| 16.- Vice-Rectory | | 32 | | | | | | |

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Continued Table A-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 182 | 824 | 892 | 528 | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE A-5

UNIVERSIDAD TECNICA DEL ESTADO

CONCEPCION CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Techno. | Mechanic | Technology | Sports | | |
| I.- DIRECT TEACHING (Contact hours) | 288 | 153 | 185 | 75 | 256 | 68 | 70 | | |
| II.- INDIRECT TEACHING | 486 | 204 | 133 | 131 | 348 | 138 | 18 | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 288 | 95 | | 70 | 142 | 69 | 8 | | |
| 2.- Correction of tests, reports, excercises and theses | | 37 | | 17 | 110 | 27 | | | |
| 3.- Attention to students | | 27 | 99 | 31 | 65 | 42 | 10 | | |
| 4.- Supervision of assistants and field work | 98 | 29 | 34 | 13 | 21 | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | 100 | 15 | | | | | | | |
| 6.- Participation in dissertation committees | | 1 | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | 10 | | | | |
| 9.- Advising | | | | | | | | | |





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Continued Table A-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| III.- RESEARCH | 4 | | 33 | 3 | 4 | | | | |
| 1.- Group or team research activities | | | 33 | 3 | 4 | | | | |
| 2.- Individual research | 4 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 174 | 2 | 129 | 49 | 42 | 16 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 88 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | 44 | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 86 | 2 | 85 | 49 | 42 | 16 | | | |
| V.- COMMUNITY SERVICES | 8 | 2 | 31 | 2 | | | | | |
| 1.- Participation in non-specified community service activities | | | 31 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 8 | | | | | | | | |
| 3.- Participation in cultural activities | | 2 | | 2 | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table A-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| VI.- ACADEMIC ADMINISTRATION | 215 | 25 | 122 | 31 | 122 | 55 | 25 | | |
| 1.- Chairmanship | 14 | 4 | | 14 | 21 | 16 | | | |
| 2.- Head of studies | 14 | 5 | | | 9 | 20 | | | |
| 3.- Coordination of areas | | | | 10 | 47 | 16 | | | |
| 4.- Coordination of sections | | | | | 1 | | | | |
| 5.- Coordination of research or member of research committees | | 5 | | | | | | | |
| 6.- Coordination of laboratories and workshops | 4 | | | 3 | 14 | | | | |
| 7.- Coordination of students' professional practice | 3 | | | | 14 | 3 | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 54 | 6 | | | 16 | | | | |
| 11.- Other activities in academic administration | 86 | 5 | 122 | 4 | | | 25 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | 40 | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table A-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| VII.- OTHER ACTIVITIES | 104 | 46 | | 61 | 92 | 44 | 18 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | 1 | 3 | | 21 | | | | | |
| 3.- Membership in non-University committees | | | | | 5 | | | | |
| 4.- Implementation of laboratories and computing programs | | 3 | | | 10 | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | 2 | | 18 | | |
| 6.- Non-departmental meetings | | 11 | | 6 | | | | | |
| 7.- Healt licenses | 44 | | | | | 44 | | | |
| 8.- Other non-specified activities | 59 | 29 | | 34 | 75 | | | | |
| TOTAL DEPARTMENT | 1279 | 432 | 633 | 352 | 864 | 321 | 131 | | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE A-6

UNIVERSIDAD TECNICA DEL ESTADO

TEMUCO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 56 | 374 | 130 | 36 | 324 | 12 | 316 | 6 | |
| II.- INDIRECT TEACHING | 89 | 692 | 195 | 22 | 593 | 28 | 512 | 24 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 71 | 494 | 88 | 22 | 410 | 20 | 314 | 6 | |
| 2.- Correction of tests, reports, excercises and theses | 6 | 19 | 26 | | 35 | 2 | 41 | 2 | |
| 3.- Attention to students | 9 | 179 | 81 | | 112 | 6 | 118 | 8 | |
| 4.- Supervision of assistants and field work | 3 | | | | | | 39 | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | 9 | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | 27 | | | 8 | |

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Continued Table A-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri- city | General Studies | Mechanic | Techno- logy | |
| III.- RESEARCH | | 8 | 5 | | 63 | | 16 | 4 | |
| 1.- Group or team research activities | | 8 | 5 | | 63 | | 16 | 4 | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 51 | 7 | | 55 | | 48 | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | 51 | 7 | | 55 | | 48 | | |
| V.- COMMUNITY SERVICES | 2 | | 26 | | 29 | 4 | 6 | | |
| 1.- Participation in non-specified community service activities | 2 | | 2 | | 20 | 4 | 6 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | 4 | | | | |
| 4.- Field work and visits to industries | | | | | 5 | | | | |
| 5.- Advising and providing services to industrial laboratories | | | 24 | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table A-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy |
| VI.- ACADEMIC ADMINISTRATION | 42 | 93 | 34 | 11 | 131 | | 90 | 42 |
| 1.- Chairmanship | 16 | 27 | 14 | | 27 | | 24 | 18 |
| 2.- Head of studies | | 11 | | | 8 | | 6 | |
| 3.- Coordination of areas | 24 | 22 | | | 14 | | 28 | |
| 4.- Coordination of sections | | | | | | | | |
| 5.- Coordination of research or member of research committees | 2 | | | | 2 | | 5 | 4 |
| 6.- Coordination of laboratories and workshops | | 11 | | | 4 | | 17 | |
| 7.- Coordination of students' professional practice | | | | | | | | 10 |
| 8.- Coordination of community services | | 22 | | | | | | |
| 9.- Coordination of public services | | | | | | | | |
| 10.- Department meetings | | | | 7 | | | | |
| 11.- Other activities in academic administration | | | 20 | | 32 | | 10 | 10 |
| 12.- Sports coaching and coordination | | | | 4 | | | | |
| 13.- Head of planning offices | | | | | | | | |
| 14.- Registrar's office | | | | | 44 | | | |
| 15.- Academic secretary | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | |

Continued Table A-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy |
| VII.- OTHER ACTIVITIES | | 44 | 22 | 19 | | | 24 | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | |
| 2.- Technical advisories | | | | | | | 24 | |
| 3.- Membership in non-University committees | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | 19 | | | | |
| 6.- Non-departmental meetings | | | | | | | | |
| 7.- Healt licenses | | 44 | | | | | | |
| 8.- Other non-specified activities | | | 22 | | | | | |
| TOTAL DEPARTMENT | 189 | 1262 | 419 | 88 | 1195 | 44 | 1012 | 76 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE A-7

UNIVERSIDAD TECNICA DEL ESTADO

VALDIVIA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia | Technol. (P.Montt) |
| I.- DIRECT TEACHING (Contact hours) | 276 | 158 | 165 | 195 | 12 | 190 | 61 | 139 |
| II.- INDIRECT TEACHING | 518 | 284 | 225 | 200 | 21 | 285 | 93 | 117 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 278 | 153 | 149 | 93 | 6 | 192 | 50 | 54 |
| 2.- Correction of tests, reports, excercises and theses | 74 | 23 | 19 | 24 | 6 | 31 | 5 | 9 |
| 3.- Attention to students | 149 | 64 | 32 | 25 | | 31 | 10 | 26 |
| 4.- Supervision of assistants and field work | | | | | | 16 | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | 9 | | 3 | 6 | | 15 | 14 | |
| 6.- Participation in dissertation committees | | | 2 | 10 | | | 2 | |
| 7.- Bibliographic search and reading of specialized journals | | | | 3 | 6 | | | |
| 8.- Updating of courses | | | | | | | | |
| 9.- Advising | 8 | 44 | 20 | 39 | 3 | | 12 | 17 |

Continued Table A-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constr. | Electri-city | General Studies | Mechanics | Technol. (Valdivia | Technol. (P.Montt) | |
| III.- RESEARCH | 2 | | 10 | 26 | | 28 | | 30 | |
| 1.- Group or team research activities | | | 10 | 26 | | 28 | | 30 | |
| 2.- Individual research | 2 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 228 | 32 | 44 | 71 | | 14 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 88 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 44 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 140 | 32 | | 71 | | 14 | | | |
| V.- COMMUNITY SERVICES | 10 | | 27 | 48 | | 4 | 4 | 1 | |
| 1.- Participation in non-specified community service activities | | | 7 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 10 | | | 28 | | | | | |
| 3.- Participation in cultural activities | | | 1 | 4 | | | | | |
| 4.- Field work and visits to industries | | | | 1 | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | 19 | 13 | | 4 | 4 | | |
| 6.- Project production | | | | 1 | | | | 1 | |
| 7.- Preparation of information booklets | | | | 1 | | | | | |



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Continued Table A-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constr. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) |
| VI.- ACADEMIC ADMINISTRATION | 79 | 54 | 98 | 105 | 9 | 94 | 34 | 37 |
| 1.- Chairmanship | 18 | 12 | 9 | | | 12 | 12 | 12 |
| 2.- Head of studies | 3 | | | 8 | | 8 | 11 | 21 |
| 3.- Coordination of areas | 3 | 16 | 8 | 11 | 4 | 12 | | 2 |
| 4.- Coordination of sections | 6 | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 2 | 7 | | | | |
| 6.- Coordination of laboratories and workshops | 4 | 14 | 39 | 4 | | 53 | | |
| 7.- Coordination of students' professional practice | | | | | | | 11 | 2 |
| 8.- Coordination of community services | | | | | | 4 | | |
| 9.- Coordination of public services | | | | | | | | |
| 10.- Department meetings | 32 | | 4 | 2 | 5 | 5 | | |
| 11.- Other activities in academic administration | 13 | 12 | 6 | 46 | | | | |
| 12.- Sports coaching and coordination | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | |
| 14.- Registrar's office | | | | | | | | |
| 15.- Academic secretary | | | | 27 | | | | |
| 16.- Vice-Rectory | | | 30 | | | | | |

Continued Table A-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Science | Civil Works | Ship Constr. | Electri-city | General Studies | Mechanic | Technol. (Valdivia | Technol. (P.Montt) | |
| VII.- OTHER ACTIVITIES | 4 | | 30 | 10 | 5 | 25 | 7 | 20 | |
| 1.- Participation in non-academic activities on campus or in the community | | | 3 | 4 | | | | | |
| 2.- Technical advisories | | | 10 | | | 15 | | | |
| 3.- Membership in non-University committees | 2 | | | | | | | 10 | |
| 4.- Implementation of laboratories and computing programs | | | 15 | 6 | | 8 | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | 5 | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | 2 | | 2 | | | 2 | 7 | 10 | |
| TOTAL DEPARTMENT | 1117 | 528 | 599 | 655 | 47 | 640 | 199 | 344 | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE A-8

UNIVERSIDAD TECNICA DEL ESTADO

PUNTA ARENAS CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Hours)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemistr. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 244 | 52 | 157 | 153 | 188 | 134 | 85 | 68 | |
| II.- INDIRECT TEACHING | 401 | 107 | 289 | 255 | 75 | 271 | 127 | 154 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 273 | 65 | 170 | 142 | 47 | 161 | 67 | 75 | |
| 2.- Correction of tests, reports, excercises and theses | 23 | 6 | 25 | 25 | 11 | 19 | 8 | 18 | |
| 3.- Attention to students | 104 | 24 | 52 | 78 | 17 | 76 | 26 | 45 | |
| 4.- Supervision of assistants and field work | | 12 | 37 | 8 | | 15 | 22 | 16 | |
| 5.- Participation in the administration of exams, quizzes and evaluations | 1 | | 5 | 2 | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | 4 | | |
| 9.- Advising | | | | | | | | | |

Continued Table A-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemistr. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| III.- RESEARCH | 20 | | 142 | 18 | | 50 | 4 | | |
| 1.- Group or team research activities | 20 | | 142 | 18 | | 50 | 4 | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 68 | | | 44 | 44 | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | 44 | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | 44 | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | 54 | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 14 | | | | | | | | |
| V.- COMMUNITY SERVICES | 13 | | 13 | 8 | | 15 | 76 | | |
| 1.- Participation in non-specified community service activities | 4 | | | 4 | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 9 | | 13 | | | 11 | 76 | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | 4 | | 4 | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Continued Table A-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 56 | 36 | 79 | 28 | 14 | 32 | 25 | 34 | |
| 1.- Chairmanship | 22 | 14 | 8 | | 14 | 19 | | 15 | |
| 2.- Head of studies | | 7 | 2 | 6 | | 2 | 10 | | |
| 3.- Coordination of areas | 5 | 10 | 12 | 10 | | | 15 | 15 | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 2 | | | | | 4 | |
| 6.- Coordination of laboratories and workshops | | | 6 | 12 | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 19 | | | | | | | | |
| 11.- Other activities in academic administration | 8 | 5 | 2 | | | 11 | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | 2 | | 2 | | | | | | |
| 15.- Academic secretary | | | 19 | | | | | | |
| 16.- Vice-Rectory | | | 26 | | | | | | |

Continued Table A-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemistr. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy |
| VII.- OTHER ACTIVITIES | 28 | | 26 | 60 | 81 | 26 | 52 | 3 |
| 1.- Participation in non-academic activities on campus or in the community | | | 2 | | | | | |
| 2.- Technical advisories | | | 2 | | | | | |
| 3.- Membership in non-University committees | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | 5 | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | |
| 7.- Healt licenses | | | | | | | 44 | |
| 8.- Other non-specified activities | 28 | | 22 | 60 | 81 | 21 | 8 | 3 |
| TOTAL DEPARTMENT | 830 | 195 | 706 | 566 | 402 | 528 | 369 | 259 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE B-1

UNIVERSIDAD TECNICA DEL ESTADO

ANTOFAGASTA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomeas-urement | Mechanic | Mining | Chemist. | Academic Secretary | Techno-logy |
| I.- DIRECT TEACHING (Contact hours) | 23,6 | 26,7 | 29,7 | 43,2 | 28,5 | 39,2 | 25,4 | 27,3 | 24,7 |
| II.- INDIRECT TEACHING | 50,4 | 30,0 | 33,5 | 46,2 | 50,3 | 36,9 | 40,9 | 59,0 | 56,3 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 34,5 | 10,0 | 23,3 | 29,4 | 38,2 | 25,6 | 24,0 | 30,7 | 28,0 |
| 2.- Correction of tests, reports, excercises and theses | 2,9 | 3,3 | 3,2 | 3,5 | 4,2 | 3,3 | 3,7 | 5,6 | 3,6 |
| 3.- Attention to students | 13,0 | 16,7 | 7,0 | 13,3 | 7,9 | 8,0 | 13,2 | 22,7 | 24,7 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table B-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistr. | Academic Secretar. | Techno-logy |
| III.- RESEARCH | 2,0 | | 10,9 | 0,8 | 6,7 | 8,5 | 6,2 | 9,1 | |
| 1.- Group or team research activities | 2,0 | | 10,9 | 0,8 | 6,7 | 8,5 | 6,2 | 9,1 | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 15,6 | | | | | | 15,4 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 6,3 | | | | | | 0,6 | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 1,5 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | 11,3 | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | 2,0 | | |
| 5.- Other studies | 9,3 | | | | | | | | |
| V.- COMMUNITY SERVICES | 2,1 | 10,0 | 10,3 | 3,8 | 2,5 | 4,0 | 2,0 | | |
| 1.- Participation in non-specified community service activities | 2,1 | 10,0 | 10,3 | 3,8 | 2,5 | 4,0 | 2,0 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table B-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistr. | Academic Secretar. | Techno-logy |
| VI.- ACADEMIC ADMINISTRATION | 6,3 | 33,3 | 15,6 | 6,0 | 12,0 | 11,4 | 10,1 | 4,6 | 19,0 |
| 1.- Chairmanship | 1,5 | | 1,7 | 3,0 | 4,0 | 4,0 | 2,8 | | 9,0 |
| 2.- Head of studies | | 33,3 | | | 0,2 | | 0,2 | | 5,3 |
| 3.- Coordination of areas | | | | | 3,2 | | 0,8 | 4,6 | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | 0,5 | | | | |
| 6.- Coordination of laboratories and workshops | | | | | 3,2 | | 1,0 | | |
| 7.- Coordination of students' professional practice | | | | | 0,1 | | 0,4 | | 3,1 |
| 8.- Coordination of community services | | | 3,5 | | 0,4 | | | | |
| 9.- [illegible]dination of public services | | | | | | | | | |
| 10.- [illegible]rtment meetings | | | | | | | 2,1 | | |
| 11.- Other activities in academic administration | 4,8 | | 4,6 | 3,0 | 0,4 | 7,4 | 2,8 | | 1,6 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | 5,8 | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table B-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemist. | Academic Secretary | Techno-logy |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE B-2

UNIVERSIDAD TECNICA DEL ESTADO

COPIAPO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur. | Mining | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 36,5 | 40,6 | 27,7 | 40,4 | | 45,8 | 32,5 | 44,7 | |
| II.- INDIRECT TEACHING | 39,5 | 18,0 | 35,7 | 35,6 | | 18,7 | 41,3 | 14,4 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 19,3 | | 8,3 | 14,7 | | 11,0 | 20,8 | 9,0 | |
| 2.- Correction of tests, reports, excercises and theses | 2,1 | | | 14,7 | | 0,8 | 7,7 | 3,0 | |
| 3.- Attention to students | 15,7 | 18,0 | 11,5 | 6,2 | | 4,7 | 6,2 | | |
| 4.- Supervision of assistants and field work | 2,4 | | 7,1 | | | | 2,2 | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | 2,2 | 0,9 | 2,4 | |
| 6.- Participation in dissertation committees | | | 0,5 | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | 0,7 | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | 8,3 | | | | 2,8 | | |





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Continued Table B-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur | Mining | Techno-logy | |
| III.- RESEARCH | 3,3 | | 7,3 | 2,8 | 100,0 | 8,7 | 5,2 | | |
| 1.- Group or team research activities | 3,3 | | 7,3 | 2,8 | 100,0 | 8,7 | 5,2 | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 14,2 | | | | | 4,6 | 6,9 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 6,2 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 3,8 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 8,0 | | | | | 4,6 | 3,1 | | |
| V.- COMMUNITY SERVICES | 3,0 | | 14,0 | | | 6,7 | 0,9 | 2,3 | |
| 1.- Participation in non-specified community service activities | 2,8 | | 11,5 | | | 4,2 | 0,9 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 0,7 | | | | | | |
| 3.- Participation in cultural activities | 0,2 | | 1,8 | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 2,5 | | | |
| 6.- Project production | | | | | | | | 2,3 | |
| 7.- Preparation of information booklets | | | | | | | | | |

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Continued Table B-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur | Mining | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 2,9 | 7,6 | 15,3 | 11,6 | | 15,5 | 6,3 | 38,6 | |
| 1.- Chairmanship | 1,0 | 7,6 | 4,4 | 5,8 | | 6,0 | 4,7 | 22,7 | |
| 2.- Head of studies | | | | | | 1,5 | | | |
| 3.- Coordination of areas | 1,4 | | | | | 6,0 | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | 2,0 | | | |
| 6.- Coordination of laboratories and workshops | 0,4 | | 3,5 | 4,8 | | | | 9,8 | |
| 7.- Coordination of students' professional practice | | | 5,3 | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | 2,1 | | | | | 6,1 | |
| 11.- Other activities in academic administration | 0,1 | | | 1,0 | | | 1,6 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table B-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea- surement | Inditec | Metallur | Mining | Techno- logy | |
| VII.- OTHER ACTIVITIES | 0,6 | 33,8 | | 9,6 | | | 6,9 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | 6,7 | | | | | |
| 2.- Technical advisories | | | | 1,0 | | | | | |
| 3.- Membership in non-University committees | | | | 1,0 | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 33,8 | | | | | | | |
| 6.- Non-departmental meetings | | | | 0,9 | | | | | |
| 7.- Healt licenses | | | | | | | 6,9 | | |
| 8.- Other non-specified activities | 0,6 | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE B-3

UNIVERSIDAD TECNICA DEL ESTADO

SERENA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil Works | Geomeasurement | Pure Sciences | Investigation | Academic Secretary | Sports | Technology |
| I.- DIRECT TEACHING (Contact hours) | 47,7 | 39,7 | 31,7 | 45,2 | 30,4 | 14,3 | 28,4 | 76,7 | 31,2 |
| II.- INDIRECT TEACHING | 20,3 | 30,4 | 18,4 | 32,2 | 20,5 | 9,9 | 27,8 | 8,7 | 32,7 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 11,8 | 18,2 | 10,5 | 19,5 | 15,1 | 9,9 | 21,9 | 8,7 | 21,2 |
| 2.- Correction of tests, reports, excercises and theses | 2,4 | 4,8 | 4,2 | 3,9 | 1,5 | | 2,6 | | 11,5 |
| 3.- Attention to students | 6,1 | 7,4 | 3,7 | 8,8 | 3,9 | | 3,3 | | |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table B-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil Works | Geomea-surement | Pure Sciences | Investi-gation | Academic Secretary | Sports | Techno-logy |
| III.- RESEARCH | 0,7 | | 2,1 | 3,9 | 3,2 | 57,2 | | | |
| 1.- Group or team research activities | 0,7 | | 2,1 | 3,9 | 3,2 | 57,2 | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 1,8 | 4,0 | | 21,1 | | | | 7,8 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | 1,8 | 4,0 | | 21,1 | | | | 7,8 |
| V.- COMMUNITY SERVICES | 2,4 | 6,2 | 1,0 | 0,4 | 5,2 | | | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 2,4 | 6,2 | 1,0 | 0,4 | 5,2 | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table B-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil Works | Geomeasurement | Pure Sciences | Investigation | Academic Secreatry | Sports | Technology |
| VI.- ACADEMIC ADMINISTRATION | 25,8 | 21,9 | 28,5 | 17,9 | 12,1 | 18,6 | 43,8 | 14,6 | 27,6 |
| 1.- Chairmanship | 7,1 | 5,5 | 6,3 | 11,7 | 2,3 | | | | 24,1 |
| 2.- Head of studies | | | | 1,6 | 1,5 | | | | |
| 3.- Coordination of areas | | 6,0 | 4,2 | | 2,3 | | 11,0 | | 3,5 |
| 4.- Coordination of sections | 4,7 | 1,3 | | | 3,0 | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | 7,3 | 7,3 | 12,6 | 3,9 | 1,5 | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | 1,2 | 0,7 | | | 32,8 | | |
| 10.- Department meetings | 1,5 | | | | | | | | |
| 11.- Other activities in academic administration | 5,2 | 1,8 | 4,2 | | 1,5 | 18,6 | | 14,6 | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table B-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil Works | Geomea-surement | Pure Sciences | Investi-gation | Academic Secretary | Sports | Techno-logy |
| VII.- OTHER ACTIVITIES | 3,1 | | 14,3 | 0,4 | 7,5 | | | | 0,7 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | 4,2 | | | | | | |
| 3.- Membership in non-University committees | | | 1,1 | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | 3,1 | | 9,0 | 0,4 | 7,5 | | | | 0,7 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4



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TABLE B-4

UNIVERSIDAD TECNICA DEL ESTADO

TALCA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| I.- DIRECT TEACHING (Contact hours) | 30,8 | 38,2 | 43,2 | 33,3 | | | | | |
| II.- INDIRECT TEACHING | 47,3 | 31,4 | 27,7 | 37,9 | | | | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 37,4 | 15,3 | 18,4 | 20,5 | | | | | |
| 2.- Correction of tests, reports, excercises and theses | | | | | | | | | |
| 3.- Attention to students | 9,9 | 16,1 | 9,3 | 17,4 | | | | | |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |



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Continued Table B-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Administ. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| III.- RESEARCH | 8,8 | 3,5 | 7,5 | 8,0 | | | | | |
| 1.- Group or team research activities | 8,8 | 3,5 | 7,5 | 8,0 | | | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 10,4 | 12,0 | 0,5 | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | 10,4 | 4,9 | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 4,5 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 2,6 | 0,5 | | | | | |
| V.- COMMUNITY SERVICES | 4,3 | 3,4 | 6,5 | 4,4 | | | | | |
| 1.- Participation in non-specified community service activities | 4,3 | 3,4 | 6,5 | 4,4 | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table B-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| VI.- ACADEMIC ADMINISTRATION | 8,8 | 13,1 | 3,1 | 15,9 | | | | | |
| 1.- Chairmanship | 8,8 | 2,9 | 0,9 | 5,7 | | | | | |
| 2.- Head of studies | | 2,7 | | | | | | | |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 0,4 | | | | | | |
| 6.- Coordination of laboratories and workshops | | 2,2 | 0,9 | 1,9 | | | | | |
| 7.- Coordination of students' professional practice | | | 0,9 | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | 1,4 | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | 3,0 | | | | | |
| 14.- Registrar's office | | | | 5,3 | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | 3,9 | | | | | | | |

Continued Table B-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Administ. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE B-5

UNIVERSIDAD TECNICA DEL ESTADO

CONCEPCION CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanics | Technology | Sports | | |
| I.- DIRECT TEACHING (Contact hours) | 22,5 | 35,4 | 29,2 | 21,3 | 29,6 | 21,2 | 53,5 | | |
| II.- INDIRECT TEACHING | 38,0 | 47,2 | 21,0 | 37,2 | 40,3 | 43,0 | 13,7 | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 22,5 | 22,0 | | 19,9 | 16,4 | 21,7 | 6,1 | | |
| 2.- Correction of tests, reports, excercises and theses | | 8,6 | | 4,8 | 12,7 | 8,3 | | | |
| 3.- Attention to students | | 6,3 | 15,6 | 8,8 | 7,5 | 13,1 | 7,6 | | |
| 4.- Supervision of assistants and field work | 7,7 | 6,7 | 5,4 | 3,7 | 2,4 | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | 7,8 | 3,5 | | | | | | | |
| 6.- Participation in dissertation committees | | 0,1 | | | | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | 1,3 | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table B-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| III.- RESEARCH | 0,4 | | 5,2 | 0,9 | 0,5 | | | | |
| 1.- Group or team research activities | | | 5,2 | 0,9 | 0,5 | | | | |
| 2.- Individual research | 0,4 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 13,6 | 0,5 | 20,4 | 13,9 | 4,9 | 13,1 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 6,9 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 7,0 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 6,7 | 0,5 | 13,4 | 13,9 | 4,9 | 13,1 | | | |
| V.- COMMUNITY SERVICES | 0,6 | 0,5 | 4,9 | 0,6 | | | | | |
| 1.- Participation in non-specified community service activities | | | 4,9 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 0,6 | | | | | | | | |
| 3.- Participation in cultural activities | | 0,5 | | 0,6 | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continuation of Table B-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| VI.- ACADEMIC ADMINISTRATION | 16,8 | 5,8 | 19,3 | 8,8 | 14,1 | 17,1 | 19,1 | | |
| 1.- Chairmanship | 1,1 | 0,9 | | 4,0 | 2,4 | 5,0 | | | |
| 2.- Head of studies | 1,1 | 1,2 | | | 1,0 | 6,2 | | | |
| 3.- Coordination of areas | | | | 2,8 | 5,4 | 5,0 | | | |
| 4.- Coordination of sections | | | | | 0,1 | | | | |
| 5.- Coordination of research or member of research committees | | 1,2 | | | | | | | |
| 6.- Coordination of laboratories and workshops | 0,3 | | | 0,9 | 1,6 | | | | |
| 7.- Coordination of students' professional practice | 0,3 | | | | 1,6 | 0,9 | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 4,2 | 1,4 | | | 1,9 | | | | |
| 11.- Other activities in academic administration | 6,7 | 1,1 | 19,3 | 1,1 | | | 19,1 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | 3,1 | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |



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Continued Table B-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| VII.- OTHER ACTIVITIES | 8,1 | 10,6 | | 17,3 | 10,6 | 5,6 | 13,7 | | |
| 1.- Participation in non-academic activities on campus or in the community | 0,1 | 0,7 | | 6,0 | | | | | |
| 2.- Technical advisories | | | | 1,7 | 0,6 | | | | |
| 3.- Membership in non-University committees | | 0,7 | | | 1,2 | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | 0,1 | | 13,7 | | |
| 5.- Sports coaching and training of non-academic personnel | | 2,5 | | | | 5,6 | | | |
| 6.- Non-departmental meetings | 3,4 | | | | | | | | |
| 7.- Healt licenses | 4,6 | 6,7 | | 9,6 | 8,7 | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE B-6

UNIVERSIDAD TECNICA DEL ESTADO

TEMUCO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| I.- DIRECT TEACHING (Contect hours) | 29,6 | 29,6 | 31,0 | 40,9 | 27,1 | 27,3 | 31,2 | 7,9 | |
| II.- INDIRECT TEACHING | 47,1 | 54,9 | 46,5 | 25,0 | 49,7 | 63,6 | 50,6 | 31,6 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 37,6 | 39,1 | 21,1 | 25,0 | 34,4 | 45,5 | 31,0 | 7,9 | |
| 2.- Correction of tests, reports, excercises and theses | 3,2 | 1,6 | 6,2 | | 2,9 | 4,5 | 4,0 | 2,7 | |
| 3.- Attention to students | 4,8 | 14,2 | 19,2 | | 9,4 | 13,6 | 11,7 | 10,5 | |
| 4.- Supervision of assistants and field work | 1,5 | | | | | | 3,9 | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | 0,8 | | | | |
| 7.- Bibliographic search and reading of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | 2,2 | | | 10,5 | |

Continued Table B-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electr-city | General Studies | Mechanic | Techno-logy | |
| III.- RESEARCH | | 0,6 | 1,3 | | 5,3 | | 1,6 | 5,2 | |
| 1.- Group or team research activities | | 0,6 | 1,3 | | 5,3 | | 1,6 | 5,2 | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 4,0 | 1,7 | | 4,6 | | 4,7 | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | 4,0 | 1,7 | | 4,6 | | 4,7 | | |
| V.- COMMUNITY SERVICES | 1,1 | | 6,2 | | 2,3 | 9,1 | 0,6 | | |
| 1.- Participation in non-specified community service activities | 1,1 | | 0,5 | | 1,7 | 9,1 | 0,6 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | 0,2 | | | | |
| 4.- Field work and visits to industries | | | | | 0,4 | | | | |
| 5.- Advising and providing services to industrial laboratories | | | 5,7 | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table B-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 22,2 | 7,4 | 8,2 | 12,5 | 11,0 | | 8,9 | 55,3 | |
| 1.- Chairmanship | 8,5 | 2,1 | 3,3 | | 2,3 | | 2,4 | 23,7 | |
| 2.- Head of studies | | 0,9 | | | 0,7 | | 0,6 | | |
| 3.- Coordination of areas | 12,7 | 1,7 | | | 1,2 | | 2,8 | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | 1,0 | | | | 0,1 | | 0,4 | 5,2 | |
| 6.- Coordination of laboratories and shops | | 1,0 | | | 0,3 | | 1,7 | | |
| dination of students' professional practice | | | | | | | | 13,2 | |
| 8.- Coordination of community services | | 1,7 | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | 8,0 | | | | | |
| 11.- Other activities in academic administration | | | 4,9 | | 2,7 | | 1,0 | 13,2 | |
| 12.- Sports coaching and coordination | | | | 4,5 | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | 3,7 | | | | |
| 16.- Vice-Rectory | | | | | | | | | |



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Continued Table B-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| VII.- OTHER ACTIVITIES | | 3,5 | 5,1 | 21,6 | | | 2,4 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | 2,4 | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | 21,6 | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | 3,5 | | | | | | | |
| 8.- Other non-specified activities | | | 5,1 | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE B-7

UNIVERSIDAD TECNICA DEL ESTADO

VALDIVIA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia | Technol. (p.Montt) | |
| I.- DIRECT TEACHING (Contact hours) | 24,7 | 29,9 | 27,5 | 29,9 | 25,5 | 29,7 | 30,7 | 40,4 | |
| II.- INDIRECT TEACHING | 46,4 | 53,8 | 37,6 | 30,5 | 44,7 | 44,5 | 46,7 | 34,0 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 24,9 | 29,0 | 24,9 | 14,2 | 12,8 | 30,0 | 25,1 | 15,7 | |
| 2.- Correction of tests, reports, excercises and theses | 6,6 | 4,4 | 3,2 | 3,7 | 12,8 | 4,8 | 2,5 | 2,6 | |
| 3.- Attention to students | 13,4 | 12,1 | 5,3 | 3,8 | | 4,8 | 5,0 | 7,6 | |
| 4.- Supervision of assistants and field work | | | | | | 2,5 | | 3,2 | |
| 5.- Participation in the administration of exams, quizzes and evaluations | 0,8 | | 0,5 | 0,9 | | 2,4 | 7,0 | | |
| 6.- Participation in dissertation committees | | | 0,4 | 1,5 | | | 1,1 | | |
| 7.- Bibliographic search and reading of specialized journals | | | | 0,4 | 12,8 | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | 0,7 | 8,3 | 3,3 | 6,0 | 6,3 | | 6,0 | 4,9 | |

Continued Table B-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship. Constru. | Electr-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) | |
| III.- RESEARCH | 0,2 | | 1,7 | 4,0 | | 4,3 | | 8,7 | |
| 1.- Group or team research activities | | | 1,7 | 4,0 | | 4,3 | | 8,7 | |
| 2.- Individual research | 0,2 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 20,4 | 6,1 | 7,3 | 10,8 | | 2,2 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 7,9 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 7,3 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 12,5 | 6,1 | | 10,8 | | 2,2 | | | |
| V.- COMMUNITY SERVICES | 0,9 | | 4,5 | 7,3 | | 0,7 | 1,9 | 0,3 | |
| 1.- Participation in non-specified community service activities | | | 1,2 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 0,9 | | | 4,3 | | | | | |
| 3.- Participation in cultural activities | | | 0,1 | 0,6 | | | | | |
| 4.- Field work and visits to industries | | | | 0,2 | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | 3,2 | 2,0 | | 0,7 | 1,9 | | |
| 6.- Project production | | | | 0,1 | | | | 0,3 | |
| 7.- Preparation of information booklets | | | | 0,1 | | | | | |

Continued Table B-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia | Technol. (P.Montt) |
| VI.- ACADEMIC ADMINISTRATION | 7,1 | 10,2 | 16,4 | 16,0 | 19,1 | 14,7 | 17,0 | 10,8 |
| 1.- Chairmanship | 1,6 | 2,3 | 1,5 | | | 1,9 | 6,0 | 3,5 |
| 2.- Head of studies | 0,3 | | | 1,2 | | 1,3 | 5,5 | 6,1 |
| 3.- Coordination of areas | 0,3 | 3,0 | 1,3 | 1,7 | 8,5 | 1,9 | | 0,6 |
| 4.- Coordination of sections | 0,5 | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 0,4 | 1,1 | | | | |
| 6.- Coordination of laboratories and workshops | 0,3 | 2,6 | 6,5 | 0,6 | | 8,3 | | |
| 7.- Coordination of students' professional practice | | | | | | | 5,5 | 0,6 |
| 8.- Coordination of community services | | | | | | 0,6 | | |
| 9.- Coordination of public services | | | | | | | | |
| 10.- Department meetings | 2,9 | | 0,7 | 0,3 | 10,6 | 0,7 | | |
| 11.- Other activities in academic administration | 1,2 | 2,3 | 1,0 | 7,0 | | | | |
| 12.- Sports coaching and coordination | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | |
| 14.- Registrar's office | | | | | | | | |
| 15.- Academic secretary | | | | 4,1 | | | | |
| 16.- Vice-Rectory | | | 5,0 | | | | | |

Continued Table B-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Techn. (P.Montt) |
| VII.- OTHER ACTIVITIES | 0,3 | | 5,0 | 1,5 | 10,7 | 3,9 | 3,5 | 5,8 |
| 1.- Participation in non-academic activities on campus or in the community | | | 0,5 | 0,6 | | | | |
| 2.- Technical advisories | | | 1,7 | | | 2,3 | | |
| 3.- Membership in non-University committees | 0,2 | | | | | | | 2,9 |
| 4.- Implementation of laboratories and computing programs | | | 2,5 | 0,9 | | 1,3 | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | |
| 6.- Non-departmental meetings | | | | | 10,7 | | | |
| 7.- Healt licenses | | | | | | | | |
| 8.- Other non-specified activities | 0,1 | | 0,3 | | | 0,3 | 3,5 | 2,9 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE B-8

UNIVERSIDAD TECNICA DEL ESTADO

PUNTA ARENAS CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 29,4 | 26,6 | 22,2 | 27,0 | 46,8 | 25,4 | 23,0 | 26,3 | |
| II.- INDIRECT TEACHING | 48,3 | 54,9 | 40,9 | 45,1 | 18,7 | 51,3 | 34,4 | 59,5 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 32,9 | 33,3 | 24,1 | 25,1 | 11,7 | 30,5 | 18,2 | 29,0 | |
| 2.- Correction of tests, reports, excercises and theses | 2,8 | 3,1 | 3,5 | 4,4 | 2,8 | 3,6 | 2,2 | 6,9 | |
| 3.- Attention to students | 12,5 | 12,3 | 7,4 | 13,8 | 4,2 | 14,4 | 7,0 | 17,4 | |
| 4.- Supervision of assistants and field work | | 6,2 | 5,2 | 1,4 | | 2,8 | 6,0 | 6,2 | |
| 5.- Participation in the administration of esams, quizzes and evaluations | 0,1 | | 0,7 | 0,4 | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 1,0 | | |

Continued Table B-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. eco. | Chemist. | Mechanic | Biolog. Studies | Electri-city | General Studies | Techno-logy | |
| III.- RESEARCH | 2,4 | | 20,1 | 3,2 | | 9,5 | 1,1 | | |
| 1.- Group or team research activities | 2,4 | | 20,1 | 3,2 | | 9,5 | 1,1 | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 8,2 | | | 7,8 | 10,9 | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | 10,9 | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | 7,8 | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | 6,5 | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 1,7 | | | | | | | | |
| V.- COMMUNITY SERVICES | 1,6 | | 1,9 | 1,4 | | 2,8 | 20,6 | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 0,5 | | | 0,7 | | | | | |
| 3.- Participation in cultural activities | 1,1 | | 1,9 | | | 2,1 | 20,6 | | |
| 4.- Field work and visits to industries | | | | 0,7 | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 0,7 | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table B-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 6,7 | 18,5 | 11,2 | 4,9 | 3,5 | 6,1 | 6,8 | 13,1 | |
| 1.- Chairmanship | 2,7 | 7,2 | 1,1 | | 3,5 | 3,6 | | 5,8 | |
| 2.- Head of studies | | 3,6 | 0,3 | 1,0 | | 0,4 | 2,7 | | |
| 3.- Coordination of areas | 0,6 | 5,2 | 1,7 | 1,8 | | | 4,1 | 5,8 | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 0,3 | | | | | 1,5 | |
| 6.- Coordination of laboratories and workshops | | | 0,8 | 2,1 | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 2,3 | | | | | | | | |
| 11.- Other activities in academic administration | 0,9 | 2,5 | 0,3 | | | 2,1 | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | 0,2 | | 0,3 | | | | | | |
| 15.- Academic secretary | | | 2,7 | | | | | | |
| 16.- Vice-Rectory | | | 3,7 | | | | | | |

Continued Table B-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| VII.- OTHER ACTIVITIES | 3,4 | | 3,7 | 10,6 | 20,1 | 4,9 | 14,1 | 1,1 | |
| 1.- Participation in non-academic activities on campus or in the community | | | 0,3 | | | | | | |
| 2.- Technical advisories | | | 0,3 | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | 0,9 | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | 11,9 | | |
| 8.- Other non-specified activities | 3,4 | | 3,1 | 10,6 | 20,1 | 4,0 | 2,2 | 1,1 | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE C-1

UNIVERSIDAD TECNICA DEL ESTADO

ANTOFAGASTA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri city | Geomea- surement | Mechanic | Mining | Chemistr. | Academic Secretary | Techno- logy |
| I.- DIRECT TEACHING (Contact hours) | 100,o | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 68,4 | 33,3 | 69,2 | 63,1 | 75,9 | 69,2 | 58,6 | 51,9 | 49,6 |
| 2.- Correction of tests, reports, excercises and theses | 5,8 | 11,1 | 10,0 | 8,2 | 8,4 | 9,3 | 9,1 | 9,6 | 6,6 |
| 3.- Attention to students | 25,8 | 55,6 | 20,8 | 28,7 | 15,7 | 21,5 | 32,3 | 38,5 | 43,8 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

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Table C-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemist. | Academic Secretar. | Techno-logy |
| III.- RESEARCH | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Group or team research activities | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 100,0 | | | | | | 100,0 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 40,8 | | | | | | 3,4 | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 10,0 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | 73,3 | | |
| 4.- Graduate studies leading to a Doctors degree | 59,2 | | | | | | 13,3 | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 1.- Participation in non-specified community service activities | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table C-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemistr | Academic Secretar | Techno-logy |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 1.- Chairmanship | 24,1 | | 11,7 | 50,0 | 33,0 | 35,0 | 27,8 | | 47,3 |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | | 100,0 | | | 2,2 | | 2,6 | | 28,0 |
| 4.- Coordination of sections | | | | | 26,4 | | 7,6 | 100,0 | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | 4,4 | | | | |
| 7.- Coordination of students' professional practice | | | | | 26,4 | | 10,1 | | |
| 8.- Coordination of community services | | | | | 1,0 | | 3,8 | | 14,1 |
| 9.- Coordination of public services | | | 22,3 | | 3,3 | | | | |
| 10.- Department meetings | | | | | | | 20,3 | | |
| 11.- Other activities in academic administration | 75,9 | | 29,1 | 50,0 | 3,3 | 65,0 | 27,8 | | 8,6 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | 36,9 | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table C-1

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | Electri-city | Geomea-surement | Mechanic | Mining | Chemist. | Academic Secretary | Techno-logy |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE C-2

UNIVERSIDAD TECNICA DEL ESTADO

COPIAPO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomeasurement | Inditec | Metallur. | Mining | Technology | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 48,8 | | 23,3 | 40,5 | | 58,7 | 50,4 | 63,2 | |
| 2.- Correction of tests, reports, excercises and theses | 5,2 | | | 41,9 | | 4,0 | 18,7 | 21,1 | |
| 3.- Attention to students | 39,9 | 100,0 | 32,2 | 17,6 | | 25,3 | 14,9 | | |
| 4.- Supervision of assistants and field work | 6,1 | | 19,8 | | | | 5,3 | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | 12,0 | 2,3 | 15,7 | |
| 6.- Participation in dissertation committees | | | 1,4 | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | 1,5 | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | 23,3 | | | | 6,9 | | |

Continued Table C-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Indited | Metallu | Mining | Techno-logy | |
| III.- RESEARCH | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 1.- Group or team research activities | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 100,0 | | | | | 100,0 | 100,0 | | |
| 1.- Studies leading to a Bachelor of Arts degree | 43,8 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | 54,5 | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | 56,2 | | | | | 100,0 | 45,5 | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 100,0 | | 100,0 | | | 100,0 | 100,0 | 100,0 | |
| 1.- Participation in non-specified community service activities | 95,2 | | 82,3 | | | 63,0 | 100,0 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 5,0 | | | | | | |
| 3.- Participation in cultural activities | 4,8 | | 12,7 | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 37,0 | | | |
| 6.- Project production | | | | | | | | 100,0 | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table C-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomea-surement | Inditec | Metallur. | Mining | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | |
| 1.- Chairmanship | 34,2 | 100,0 | 28,7 | 50,0 | | 38,7 | 75,0 | 58,8 | |
| 2.- Head of studies | | | | | | 9,7 | | | |
| 3.- Coordination of areas | 48,8 | | | | | 38,7 | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | 12,9 | | | |
| 6.- Coordination of laboratories and workshops | 12,2 | | 23,0 | 41,7 | | | | 25,5 | |
| 7.- Coordination of students' professional practice | | | 34,5 | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | 13,8 | | | | | 15,7 | |
| 11.- Other activities in academic administration | 4,8 | | | 8,3 | | | 25,0 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table C-2

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Sports | General Studies | Geomeasurement | Inditec | Metallur. | Mining | Technology | |
| VII.- OTHER ACTIVITIES | 100,0 | 100,0 | | 100,0 | | | 100,0 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | 70,0 | | | | | |
| 2.- Technical advisories | | | | 10,0 | | | | | |
| 3.- Membership in non-University committees | | | | 10,0 | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 100,0 | | | | | | | |
| 6.- Non-departmental meetings | | | | 10,0 | | | | | |
| 7.- Healt licenses | | | | | | | 100,0 | | |
| 8.- Other non-specified activities | 100,0 | | | | | | | | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE C-3

UNIVERSIDAD TECNICA DEL ESTADO

SERENA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil Works | Geomeasurement | Pure Science | Investigation | Academic Secretary | Sports | Technology |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 58,1 | 59,9 | 56,8 | 60,2 | 73,8 | 100,0 | 80,0 | 100,0 | 65,0 |
| 2.- Correction of tests, reports, exercises and theses | 11,6 | 15,6 | 22,7 | 12,0 | 7,4 | | 8,0 | | 35,0 |
| 3.- Attention to students | 30,3 | 24,5 | 20,5 | 27,8 | 18,8 | | 12,0 | | |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of exams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table C-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomea-surement | Pure Sciences | Investi-gation | Academic Secretary | Courses | Technolo-gy |
| III.- RESEARCH | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | | | |
| 1.- Group or team research activities | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 100,0 | 100,0 | | 100,0 | | | | 100,0 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | 100,0 | 100,0 | | 100,0 | | | | 100,0 |
| V.- COMMUNITY SERVICES | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 70,0 | 100,0 | 100,0 | 100,0 | 100,0 | | | | |
| 3.- Participation in cultural activities | 30,0 | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Continued Table C-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomeasurement | Pure Sciences | Investigation | Academic Secretary | Sports | Technology |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 1.- Chairmanship | 27,5 | 25,0 | 22,1 | 65,2 | 18,8 | | | | 87,2 |
| 2.- Head of studies | | | | 8,7 | 12,5 | | | | |
| 3.- Coordination of areas | | 27,5 | 14,7 | | 18,7 | | 25,0 | | 12,8 |
| 4.- Coordination of sections | 18,3 | 5,9 | | | 25,0 | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | 28,4 | 33,3 | 44,1 | 21,7 | 12,5 | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 4,4 | 4,4 | | | 75,0 | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 5,6 | | | | | | | | |
| 11.- Other activities in academic administration | 20,2 | 8,3 | 14,7 | 12,5 | | 100,0 | | 100,0 | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table C-3

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mining | Mechanic | Civil works | Geomea-surement | Pure Science | Investi-gation | Academic Secretary | Sports | Techno-logy |
| VII.- OTHER ACTIVITIES | 100,0 | | 100,0 | 100,0 | 100,0 | | | | 100,0 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | 29,4 | | | | | | |
| 3.- Membership in non-University committees | | | 7,4 | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | 100,0 | | 63,2 | 100,0 | 100,0 | | | | 100,0 |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE C-4

UNIVERSIDAD TECNICA DEL ESTADO

TALCA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Science | General Studies | Mechanic | | | | | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 79,1 | 48,6 | 66,4 | 54,0 | | | | | |
| 2.- Correction of tests, reports, excercises and theses | | | | | | | | | |
| 3.- Attention to students | 20,9 | 51,4 | 33,6 | 46,0 | | | | | |
| 4.- Supervision of a.sistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table C-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| III.- RESEARCH | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 1.- Group or team research activities | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 100,0 | 100,0 | 100,0 | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | 100,0 | 41,1 | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 37,4 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 21,5 | 100,0 | | | | | |
| V.- COMMUNITY SERVICES | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 1.- Participation in non-specified community service activities | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table C-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | pure Sciences | General Studies | Mechanic | | | | | |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | | | | | |
| 1.- Chairmanship | 100,0 | 22,2 | 28,6 | 35,7 | | | | | |
| 2.- Head of studies | | 20,4 | | | | | | | |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 14,4 | | | | | | |
| 6.- Coordination of laboratories and workshops | | 16,7 | 28,6 | 11,9 | | | | | |
| 7.- Coordination of students' professional practice | | | 28,6 | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | 12,0 | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | 19,1 | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | 33,3 | | | | | |
| 16.- Vice-Rectory | | 29,6 | | | | | | | |

Continued Table C-4

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. & Eco. | Pure Sciences | General Studies | Mechanic | | | | | |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE C-5

UNIVERSIDAD TECNICA DEL ESTADO

CONCEPCION CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 59,3 | 46,6 | | 53,4 | 40,8 | 50,4 | 44,4 | | |
| 2.- Correction of tests, reports, excercises and theses | | 18,2 | | 13,0 | 31,6 | 19,2 | | | |
| 3.- Attention to students | | 13,2 | 74,5 | 23,7 | 18,7 | 30,4 | 55,6 | | |
| 4.- Supervision of assistants and field work | 20,2 | 14,2 | 25,5 | 9,9 | 6,0 | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | 20,5 | 7,4 | | | | | | | |
| 6.- Participation in dissertation committees | | 0,5 | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | 2,9 | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table C-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Technol. | Mechanic | Technology | Sports | | |
| III.- RESEARCH | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | | | |
| 1.- Group or team research activities | | 100,0 | 100,0 | 100,0 | 100,0 | | | | |
| 2.- Individual research | 100,0 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 50,6 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | 34,1 | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 49,4 | 100,0 | 65,7 | 100,0 | 100,0 | 100,0 | | | |
| V.- COMMUNITY SERVICES | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | | |
| 1.- Participation in non-specified community service activities | | | 100,0 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 100,0 | | | | | | | | |
| 3.- Participation in cultural activities | | 100,0 | | 100,0 | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table C-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Techno- | Mechanic | Technology | Sports | | |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 1.- Chairmanship | 6,5 | 16,0 | | 45,1 | 17,2 | 29,1 | | | |
| 2.- Head of studies | 6,5 | 20,0 | | | 7,4 | 36,3 | | | |
| 3.- Coordination of areas | | | | 32,3 | 38,5 | 29,1 | | | |
| 4.- Coordination of sections | | | | | 0,8 | | | | |
| 5.- Coordination of research or member of research committees | | 20,0 | | | | | | | |
| 6.- Coordination of laboratories and workshops | 1,9 | | | 9,7 | 11,5 | | | | |
| 7.- Coordination of students' professional practice | 1,4 | | | | 11,5 | 5,5 | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 25,1 | 24,0 | | | 13,1 | | | | |
| 11.- Other activities in academic administration | 40,0 | 20,0 | 100,0 | 12,9 | | | 100,0 | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | 18,6 | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table C-5

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Architecture | Electricity | Wood Techno- | Mechanic | Technology | Sports | | |
| VII.- OTHER ACTIVITIES | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | 1,2 | 6,5 | | 34,4 | | | | | |
| 3.- Membership in non-University committees | | | | | 5,4 | | | | |
| 4.- Implementation of laboratories and computing programs | | 6,5 | | | 10,9 | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | 2,2 | | 100,0 | | |
| 6.- Non-departmental meetings | | 23,9 | | 9,8 | | | | | |
| 7.- Healt licenses | 42,3 | | | | | 100,0 | | | |
| 8.- Other non-specified activities | 56,7 | 63,1 | | 55,8 | 81,5 | | | | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE C-6

UNIVERSIDAD TECNICA DEL ESTADO

TEMUCO CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. & co. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Technology | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 79,8 | 71,4 | 45,5 | 100,0 | 69,2 | 71,4 | 61,2 | 25,0 | |
| 2.- Correction of tests, reports, excercises and theses | 6,7 | 2,7 | 13,3 | | 5,9 | 7,1 | 8,0 | 8,4 | |
| 3.- Attention to students | 10,1 | 28,9 | 41,3 | | 19,0 | 21,5 | 23,1 | 33,3 | |
| 4.- Supervision of assistants and field work | 3,4 | | | | | | 7,7 | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | 1,5 | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | 4,4 | | | 33,3 | |

Continued Table C-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy |
| III.- RESEARCH | | 100,0 | 100,0 | | 100,0 | | 100,0 | 100,0 |
| 1.- Group or team research activities | | 100,0 | 100,0 | | 100,0 | | 100,0 | 100,0 |
| 2.- Individual research | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 100,0 | 100,0 | | 100,0 | | 100,0 | 100,0 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | |
| 5.- Other studies | | 100,0 | 100,0 | | 100,0 | | 100,0 | 100,0 |
| V.- COMMUNITY SERVICES | 100,0 | | 100,0 | | 100,0 | 100,0 | 100,0 | |
| 1.- Participation in non-specified community service activities | 100,0 | | 7,7 | | 70,2 | 100,0 | 100,0 | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | |
| 3.- Participation in cultural activities | | | | | 14,0 | | | |
| 4.- Field work and visits to industries | | | | | 15,8 | | | |
| 5.- Advising and providing services to industrial laboratories | | | 92,3 | | | | | |
| 6.- Project production | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | |

Continued Table C-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Administ. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | | 100,0 | 100,0 | |
| 1.- Chairmanship | 38,1 | 29,0 | 40,6 | | 20,6 | | 26,7 | 42,8 | |
| 2.- Head of studies | | 11,8 | | | 6,1 | | 6,7 | | |
| 3.- Coordination of areas | 57,1 | 23,7 | | | 10,7 | | 31,1 | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | 4,8 | | | | 1,5 | | 5,5 | 9,6 | |
| 6.- Coordination of laboratories and workshops | | 11,8 | | | 3,1 | | 18,9 | | |
| 7.- Coordination of students' professional practice | | | | | | | | 23,8 | |
| 8.- Coordination of community services | | 23,7 | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | 63,6 | | | | | |
| 11.- Other activities in academic administration | | | 59,4 | | 24,4 | | 11,1 | 23,8 | |
| 12.- Sports coaching and coordination | | | | 36,4 | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | 33,6 | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |



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Continued Table C-6

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Adminis. Eco. | Pure Sciences | Civil Works | Sports | Electri-city | General Studies | Mechanic | Techno-logy | |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | 100,0 | 100,0 | 100,0 | | | 100,0 | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | 100,0 | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | 100,0 | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | 100,0 | | | | | | | |
| | | | 100,0 | | | | | | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE C-7

UNIVERSIDAD TECNICA DEL ESTADO

VALDIVIA CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| II.- INDIRECT TEACHING | 108,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 53,7 | 53,9 | 66,2 | 46,5 | 28,6 | 67,4 | 53,8 | 46,2 | |
| 2.- Correction of tests, reports, excercises and theses | 14,3 | 8,1 | 8,5 | 12,0 | 28,6 | 10,9 | 5,4 | 7,7 | |
| 3.- Attention to students | 28,7 | 22,5 | 14,2 | 47,5 | | 10,9 | 19,8 | 22,2 | |
| 4.- Supervision of assistants and field work | | | | | | 5,6 | | 9,4 | |
| 5.- Participation in the administration of esams, quizzes and evaluations | 1,7 | | 1,3 | 3,0 | | 5,2 | 15,0 | | |
| 6.- Participation in dissertation committees | | | 0,9 | 5,0 | | | 2,1 | | |
| 7.- Bibliographic search and readin of specialized journals | | | | 1,5 | 28,6 | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | 1,6 | 15,5 | 8,9 | 19,5 | 14,2 | | 12,9 | 14,5 | |

Continued Table C-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) | |
| III.- RESEARCH | 100,0 | | 100,0 | 100,0 | | 100,0 | | 100,0 | |
| 1.- Group or team research activities | | | 100,0 | 100,0 | | 100,0 | | 100,0 | |
| 2.- Individual research | 100,0 | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 100,0 | 100,0 | 100,0 | 100,0 | | 100,0 | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 38,6 | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | 100,0 | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 61,4 | 100,0 | | 100,0 | | 100,0 | | | |
| V.- COMMUNITY SERVICES | 100,0 | | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | |
| 1.- Participation in non-specified community service activities | | | 25,9 | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 100,0 | | | 58,3 | | | | | |
| 3.- Participation in cultural activities | | | 3,7 | 8,3 | | | | | |
| 4.- Field work and visits to industries | | | | 2,1 | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | 70,4 | 27,1 | | 100,0 | 100,0 | | |
| 6.- Project production | | | | 2,1 | | | | 100,0 | |
| 7.- Preparation of information booklets | | | | 2,1 | | | | | |

Continues Table C-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) | |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Chairmanship | 22,8 | 22,2 | 9,2 | | | 12,8 | 35,4 | 32,4 | |
| 2.- Head of studies | 3,8 | | | 7,6 | | 8,5 | 32,3 | 56,8 | |
| 3.- Coordination of areas | 3,8 | 29,6 | 8,2 | 10,5 | 41,5 | 12,8 | | 5,4 | |
| 4.- Coordination of sections | 7,6 | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 2,0 | 6,7 | | | | | |
| 6.- Coordination of laboratories and workshops | 5,1 | 26,0 | 39,8 | 3,8 | | 56,4 | | | |
| 7.- Coordination of students' professional practice | | | | | | | 32,3 | 5,4 | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | 4,1 | | | |
| 10.- Department meetings | 40,5 | | 4,1 | 1,9 | 55,5 | 5,4 | | | |
| 11.- Other activities in academic administration | 16,4 | 22,2 | 6,1 | 43,8 | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | 25,7 | | | | | |
| 15.- Academic secretary | | | 30,6 | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table C-7

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Civil Works | Ship Constru. | Electri-city | General Studies | Mechanic | Technol. (Valdivia) | Technol. (P.Montt) | |
| VII.- OTHER ACTIVITIES | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Participation in non-academic activities on campus or in the community | | | 10,0 | 40,0 | | | | | |
| 2.- Technical advisories | | | 33,3 | | | 60,0 | | | |
| 3.- Membership in non-University committees | 50,0 | | | | | | | 50,0 | |
| 4.- Implementation of laboratories and computing programs | | | 50,0 | 60,0 | | 32,0 | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | 100,0 | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | 50,0 | | 6,7 | | | 8,0 | 100,0 | 50,0 | |
| TOTAL DEPARTMENT | | | | | | | | | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE C-8

UNIVERSIDAD TECNICA DEL ESTADO

PUNTA ARENAS CAMPUS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND ACADEMIC DEPARTMENT

(Percentage of the Total by Activity)

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | CHemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| I.- DIRECT TEACHING (Contact hours) | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| II.- INDIRECT TEACHING | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 68,1 | 60,8 | 58,8 | 55,7 | 62,7 | 59,4 | 52,8 | 48,7 | |
| 2.- Correction of tests, reports, excercises and theses | 5,7 | 5,6 | 8,7 | 9,8 | 14,7 | 7,0 | 6,3 | 11,7 | |
| 3.- Attention to students | 25,9 | 22,4 | 18,0 | 30,6 | 22,6 | 28,0 | 20,6 | 29,2 | |
| 4.- Supervision of assistants and field work | | 11,2 | 12,8 | 3,1 | | 5,6 | 17,3 | 10,4 | |
| 5.- Participation in the administration of esams, quizzes and evaluations | 0,3 | | 1,7 | 0,8 | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table C-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy | |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | 100,0 | | 100,0 | 100,0 | | 100,0 | 100,0 | | |
| 2.- Individual research | 100,0 | | 100,0 | 100,0 | | 100,0 | 100,0 | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | 100,0 | | | 100,0 | 100,0 | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | 100,0 | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | 100,0 | | | | | |
| 4.- Graduate studies leading to a Doctors degree | 79,4 | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 20,6 | | | | | | | | |
| 1.- Participation in non-specified community service activities | 100,0 | | 100,0 | 100,0 | | 100,0 | 100,0 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 30,8 | | | 50,0 | | | | | |
| 3.- Participation in cultural activities | 69,2 | | 100,0 | | | 73,3 | 100,0 | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | 50,0 | | 26,7 | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table C-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri-city | General Studies | Techno-logy |
| VI.- ACADEMIC ADMINISTRATION | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |
| 1.- Chairmanship | 39,3 | 38,9 | 10,1 | | 100,0 | 59,4 | | 44,1 |
| 2.- Head of studies | | 19,4 | 2,5 | 21,4 | | 6,3 | 40,0 | |
| 3.- Coordination of areas | 8,9 | 27,8 | 15,2 | 35,7 | | | 60,0 | 44,1 |
| 4.- Coordination of sections | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | 2,5 | | | | | 11,8 |
| 6.- Coordination of laboretories and workshops | | | 7,6 | 42,9 | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | |
| 10.- Department meetings | 33,9 | | | | | | | |
| 11.- Other activities in academic administration | 14,4 | 13,9 | 2,5 | | | 34,3 | | |
| 12.- Sports coaching and coordination | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | |
| 14.- Registrar's office | 3,6 | | 2,5 | | | | | |
| 15.- Academic secretary | | | 24,1 | | | | | |
| 16.- Vice-Rectory | | | 32,9 | | | | | |

Continued Table C-8

| ACADEMIC ACTIVITIES | ACADEMIC DEPARTMENTS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pure Sciences | Adminis. Eco. | Chemist. | Mechanic | Biolog. Sciences | Electri- city | General Studies | Techno- logy | |
| VII.- OTHER ACTIVITIES | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |
| 1.- Participation in non-academic activities on campus or in the community | | | 7,7 | | | | | | |
| 2.- Technical advisories | | | 7,7 | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | 19,2 | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | 84,6 | | |
| TOTAL DEPARTMENT | 100,0 | | 84,6 | 100,0 | 100,0 | 80,8 | 15,4 | 100,0 | |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE D

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

WEEKLY MEAN FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| I.- DIRECT TEACHING (Contact hours) | 148.2 | 157,4 | 137,6 | 233,0 | 156,4 | 156,8 | 149,5 | 135,1 | |
| II.- INDIRECT TEACHING | 142,6 | 151,6 | 87,4 | 199,0 | 208,3 | 269,4 | 217,9 | 209,9 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 157,8 | 67,1 | 57,9 | 116,5 | 96,0 | 178,1 | 121,9 | 125,0 | |
| 2.- Correction of tests, reports, excercises and theses | 18,8 | 14,5 | 11,5 | | 27,3 | 16,4 | 23,9 | 16,9 | |
| 3.- Attention to stucents | 66,0 | 47,8 | 18,0 | 81,5 | 39.1 | 64,1 | 42,1 | 52,8 | |
| 4.- Supervision of assistants and field work | | 11,0 | | | 27,9 | 5,3 | 3,4 | 15,8 | |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | 2,3 | | | 16,4 | | 5,9 | 1,0 | |
| 6.- Participation in dissertation committees | | 0,4 | | | 0,2 | 1,1 | 1,8 | | |
| 7.- Bibliographic search and readin of specialized journals | | 0,5 | | | | | 1,0 | | |
| 8.- Updating of courses | | | | | 1,4 | | | | |
| 9.- Advising | | 8,1 | | | | 4,4 | 17,9 | 0,5 | |





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Continued Table D

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| III.- RESEARCH | 26,3 | 36,6 | 16,2 | 39,3 | 6,3 | 12,0 | 12,0 | 29,3 | |
| 1.- Group or team research activities | 26,3 | 36,6 | 16,2 | 39,3 | 5,7 | 12,0 | 11,8 | 29,3 | |
| 2.- Individual research | | | | | 0,6 | | 0,2 | | |
| IV.- FACULTY DEVELOPMENT | 36,2 | 33,0 | 35,4 | 42,9 | 58,9 | 20,1 | 48,6 | 19,5 | |
| 1.- Studies leading to a Bachelor of Arts degree | 9,8 | 11,0 | | 32,5 | 12,6 | | 11,0 | 5,5 | |
| 2.- Studies leading to Civil Engineering degree | 1,2 | 3,0 | | | 6,3 | | 5,5 | 5,5 | |
| 3.- Graduate studies leading to a Master of Arts degree | 9,8 | | | 10,0 | | | | 6,8 | |
| 4.- Graduate studies leading to a Doctors degree | 1,8 | | | | | | | | |
| 5.- Other studies | 13,6 | 19,0 | 35,4 | 7,9 | 40,0 | 20,1 | 32,1 | 1,7 | |
| V.- COMMUNITY SERVICES | 17,7 | 19,5 | 13,2 | 29,3 | 6,1 | 8,4 | 11,8 | 15,6 | |
| 1.- Participation in non-specified community service activities | 17,7 | 15,9 | | 29,3 | 4,4 | 4,3 | 0,9 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | 0,5 | 12,9 | | 1,1 | | 4,8 | 1,0 | |
| 3.- Participation in cultural activities | | 1,5 | 0,3 | | 0,6 | 0,5 | 0,6 | 13,6 | |
| 4.- Field work and visits to industries | | | | | | 0,6 | 0,1 | | |
| 5.- Advising and providing services to industrial laboratories | | 1,3 | | | | 3,0 | 5,0 | 1,0 | |
| 6.- Project production | | 0,3 | | | | | 0,3 | | |
| 7.- Preparation of information booklets | | | | | | | 0,1 | | |

Continued Table D

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| VI.- ACADEMIC ADMINISTRATION | 50,8 | 38,4 | 70,3 | 59,0 | 85,0 | 55,4 | 63,8 | 38,0 | |
| 1.- Chairmanship | 16,7 | 18,1 | 37,4 | 19,5 | 9,9 | 15,8 | 9,4 | 11,5 | |
| 2.- Head of studies | 5,6 | 0,8 | 8,7 | 5,5 | 6,9 | 3,1 | 6,4 | 3,1 | |
| 3.- Coordination of areas | 3,8 | 5,5 | 12,1 | | 10,4 | 11,0 | 7,8 | 5,4 | |
| 4.- Coordination of sections | | | 5,2 | | 0,1 | | 0,7 | | |
| 5.- Coordination of research or member of research committees | 0,3 | 1,0 | | 1,0 | 0,6 | 1,6 | 1,1 | 0,8 | |
| 6.- Coordination of laboratories and workshops | 3,6 | 6,0 | 17,9 | 9,0 | 3,0 | 4,0 | 14,3 | 2,3 | |
| 7.- Coordination of students' professional practice | 2,1 | 3,8 | | 2,0 | 0,3 | 1,3 | 1,6 | | |
| 8.- Coordination of community services | 2,9 | | 4,2 | | | 2,8 | 0,5 | | |
| 9.- Coordination of public services | 1,8 | | | | | | | | |
| 10.- Department meetings | | 2,5 | 0,7 | 3,0 | 10,9 | 0,9 | 6,0 | 2,4 | |
| 11.- Other activities in academic administration | 17,8 | 1,8 | 12,1 | | 34,6 | 9,0 | 9,6 | 3,2 | |
| 12.- Sports coaching and coordination | | | | | | 0,4 | | | |
| 13.- Head of planning offices | | | | 4,0 | | | | | |
| 14.- Registrar's office | 1,2 | | | | | | | 0,5 | |
| 15.- Academic secretary | | | | 7,0 | 5,7 | 5,5 | 3,4 | 2,4 | |
| 16.- Vice-Rectory | | | | 8,0 | | | 3,8 | 3,2 | |

Continued Table D

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| VII.- OTHER ACTIVITIES | | 14,8 | 23,2 | | 52,1 | 13,6 | 12,6 | 34,5 | |
| 1.- Participation in non-academic activities on campus or in the community | | 1,8 | | | | | 0,9 | 0,3 | |
| 2.- Technical advisories | | 0,3 | 2,2 | | 3,6 | 3,0 | 3,1 | 0,3 | |
| 3.- Membership in non-University committees | | 0,3 | 0,6 | | 0,7 | | 1,5 | | |
| 4.- Implementation of laboratories and computing programs | | | | | 1,9 | | 3,6 | 0,6 | |
| 5.- Sports coaching and training of non-academic personnel | | 5,6 | | | 2,9 | 2,4 | | | |
| 6.- Non-departmental meetings | | 0,2 | | | 2,4 | 5,5 | 0,6 | | |
| 7.- Healt licenses | | 5,5 | | | 12,6 | | | 5,5 | |
| 8.- Other non-specified activities | | 1,1 | 17,4 | | 28,0 | 2,7 | 2,9 | 27,8 | |
| TOTAL DEPARTMENT | 529,8 | 452,3 | 386,3 | 606,6 | 573,1 | 535,7 | 516,2 | 481,9 | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE E

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

WEEKLY MEAN FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Campus)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | |
| I.- DIRECT TEACHING (Contact hours) | 28,0 | 34,8 | 35,6 | 38,4 | 27,3 | 29,3 | 28,0 | 28,0 | |
| II.- INDIRECT TEACHING | 45,8 | 33,6 | 32,6 | 32,6 | 36,6 | 50,3 | 42,2 | 43,6 | |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 29,8 | 14,8 | 15,0 | 19,2 | 16,8 | 33,2 | 23,6 | 25,9 | |
| 2.- Correction of tests, reports, excercises and theses | 3,5 | 3,2 | 3,9 | | 4,8 | 3,1 | 4,6 | 3,5 | |
| 3.- Attention to students | 12,1 | 10,6 | 4,7 | 13,4 | 6.8 | 12,0 | 0,2 | 11,0 | |
| 4.- Supervision of assistants and field work | | 2,4 | | | 4,9 | 1,0 | 0,7 | 2,9 | |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | 0,5 | | | 2,9 | | 1,1 | 0,2 | |
| 6.- Participation in dissertation committees | | 0,1 | | | | 0,2 | 0,3 | | |
| 7.- Bibliographic search and reacin of specialized journals | | 0,1 | | | | | 0,2 | | |
| 8.- Updating of courses | | | | | 0,1 | | | | |
| 9.- Advising | | 1,8 | | | | 0,8 | 3,5 | 0,1 | |





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Continued Table E

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| III.- RESEARCH | 5,0 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 6,1 | |
| 1.- Group or team research activities | 5,0 | [illegible] | [illegible] | 6,3 | [illegible] | [illegible] | 2,3 | 6,1 | |
| 2.- Individual research | | | | | [illegible] | | | | |
| IV.- FACULTY DEVELOPMENT | [illegible] | [illegible] | [illegible] | 8,1 | 12,3 | 3,8 | 9,4 | 4,0 | |
| 1.- Studies leading to a Bachelor of Arts degree | [illegible] | [illegible] | | 5,4 | [illegible] | | [illegible] | [illegible] | |
| 2.- Studies leading to Civil Engineering degree | 0,3 | 0,7 | | | 1,1 | | 1,1 | [illegible] | |
| 3.- Graduate studies leading to a Master of Arts degree | 1,8 | | | 1,6 | | | | 1,4 | |
| 4.- Graduate studies leading to a Doctors degree | 0,3 | | | | | | | | |
| 5.- Other studies | 2,6 | 4,2 | 9,2 | [illegible] | 7,0 | [illegible] | 6,2 | 0,4 | |
| V.- COMMUNITY SERVICES | 3,3 | 4,3 | [illegible] | 4,9 | [illegible] | [illegible] | [illegible] | 3,2 | |
| 1.- Participation in non-specified community service activities | 3,3 | 3,5 | | 4,9 | 0,8 | 0,8 | 0,2 | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | 0,1 | 3,3 | | 0,2 | | 0,9 | 0,2 | |
| 3.- Participation in cultural activities | | 0,3 | 0,1 | | 0,1 | 0,1 | 0,1 | 2,8 | |
| 4.- Field work and visits to industries | | | | | | 0,1 | | | |
| 5.- Advising and providing services to industrial laboratories | | 0,3 | | | | 0,6 | 1,0 | 0,2 | |
| 6.- Project production | | 0,1 | | | | | 0,1 | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table E

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | |
| VI.- ACADEMIC ADMINISTRATION | 17,1 | 8,7 | 19,8 | 9,7 | 14,8 | 10,3 | 12,4 | 7,9 | |
| 1.- Chairmanship | 3,2 | 4,0 | 5,3 | 3,4 | 1,7 | 2,9 | 1,8 | 2,4 | |
| 2.- Head of studies | 1,1 | 0,2 | 0,7 | 0,9 | 1,4 | 0,6 | 1,7 | 0,7 | |
| 3.- Coordination of areas | 0,7 | 1,2 | 3,4 | | 1,8 | 2,1 | 1,4 | 1,7 | |
| 4.- Coordination of sections | | | 1,3 | | | | 0,1 | | |
| 5.- Coordination of research or member of research committees | 0,1 | 0,2 | | 0,2 | 0,1 | 0,3 | 0,2 | 0,1 | |
| 6.- Coordination of laboratories and workshops | 0,7 | 1,3 | 4,6 | 1,5 | 0,5 | 0,7 | 2,8 | 0,5 | |
| 7.- Coordination of students' professional practice | 0.4 | 0.8 | | 0,3 | 0,5 | 0,2 | 0,3 | | |
| 8.- Coordination of community services | 0,5 | | 1,1 | | | 0,5 | 0,1 | | |
| 9.- Coordination of public services | 0,3 | | | | | | | | |
| 10.- Department meetings | | 0,6 | 0,7 | 0,5 | 1,9 | 0,2 | 1,2 | 0,5 | |
| 11.- Other activities in academic administration | 3,4 | 0,4 | 3,1 | | 6,0 | 1,7 | 1,9 | 0,7 | |
| 12.- Sports coaching and coordination | | | | | | 0,1 | | | |
| 13.- Head of planning offices | | | | 0,7 | | | | | |
| 14.- Registrar's office | 0,7 | | | | | | | 0,1 | |
| 15.- Academic secretary | | | | 1,2 | 1,0 | 1,0 | 0,7 | 0,5 | |
| 16.- Vice-Rectory | | | | 1,3 | | | 0,7 | 0,7 | |

Continued Table E

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | |
| VII.- OTHER ACTIVITIES | | 3,1 | 5,2 | | 9,1 | 2,5 | 2,4 | 7,2 | |
| 1.- Participation in non-academic activities on campus or in the community | | 0,4 | | | | | 0,2 | 0,1 | |
| 2.- Technical advisories | | 0,1 | 3,5 | | 0,6 | 0,6 | 0,6 | 0,1 | |
| 3.- Membership in non-University committees | | 0,1 | 0,2 | | 0,1 | | 0,3 | | |
| 4.- Implementation of laboratories and computing programs | | | | | 0,3 | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 1,2 | | | 0,5 | 0,4 | 0,1 | 0,1 | |
| 6.- Non-departmental meetings | | | | | 0,4 | 1,0 | | | |
| 7.- Healt licenses | | 1,2 | | | 2,2 | | | 1,1 | |
| 8.- Other non-specified activities | | 0,2 | 4,5 | | 4,9 | 0,5 | 0,6 | 5,8 | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-1

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF PURE SCIENCES

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Cpiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 311 | 515 | 403 | 315 | 288 | 374 | 276 | 244 | 340,8 |
| II.- INDIRECT TEACHING | 664 | 557 | 271 | 259 | 486 | 692 | 518 | 401 | 481,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 454 | 272 | 200 | 126 | 288 | 494 | 278 | 273 | 298,1 |
| 2.- Correction of tests, reports, excercises and theses | 39 | 29 | 20 | | | 19 | 74 | 23 | 25,5 |
| 3.- Attention to students | 171 | 222 | 51 | 133 | | 179 | 149 | 104 | 126,1 |
| 4.- Supervision of assistants and field work | | 34 | | | 98 | | | | 16,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | 100 | | 9 | 1 | 13,8 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 8 | | 1,0 |

Continued Table F-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 26 | 46 | 43 | 28 | 4 | 8 | 2 | 20 | 22,0 |
| 1.- Group or team research activities | 26 | 46 | 43 | 28 | | 8 | | 20 | 21,4 |
| 2.- Individual research | | | | | 4 | | 2 | | 0,6 |
| IV.- FACULTY DEVELOPMENT | 206 | 201 | 279 | 86 | 174 | 51 | 228 | 68 | 161,6 |
| 1.- Studies leading to a Bachelor of Arts degree | 84 | 88 | | 86 | 88 | | 88 | | 54,3 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | 54 | 6,7 |
| 4.- Graduate studies leading to a Doctors degree | | 113 | | | | | | | 14,1 |
| 5.- Other studies | 122 | | 279 | | 86 | 51 | 140 | 14 | 86,5 |
| V.- COMMUNITY SERVICES | 28 | 42 | 69 | 28 | 8 | | 10 | 13 | 24,8 |
| 1.- Participation in non-specified community service activities | 28 | 40 | | 28 | | | | | 12,0 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 69 | | 8 | | 10 | 4 | 11,4 |
| 3.- Participation in cultural activities | | 2 | | | | | | 9 | 1,4 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table F-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Srena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 83 | 41 | 160 | 108 | 215 | 93 | 79 | 56 | 104,4 |
| 1.- Chairmanship | 20 | 14 | 30 | 24 | 14 | 27 | 18 | 22 | 21,1 |
| 2.- Head of studies | | | 20 | 22 | 14 | 11 | 3 | | 8,8 |
| 3.- Coordination of areas | | 20 | 30 | | | 22 | 3 | 5 | 10,0 |
| 4.- Coordination of sections | | | 40 | | | | 6 | | 5,8 |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | 5 | 20 | 18 | 4 | 11 | 4 | | 7,8 |
| 7.- Coordination of students' professional practice | | | | | 3 | | | | 0,3 |
| 8.- Coordination of community services | | | | | | 22 | | | 2,8 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | 54 | | 32 | 19 | 13,1 |
| 11.- Other activities in academic administration | 63 | 2 | 20 | 12 | 86 | | 13 | 8 | 25,5 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | 40 | | | 2 | 5,2 |
| 16.- Vice-Rectory | | | | 32 | | | | | 4,0 |

Continued Table F-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | 9 | 99 | | 104 | 44 | 4 | 28 | 36,0 |
| 2.- Technical advisories | | | | | 1 | | | | 0,1 |
| 3.- Membership in non-University committees | | | | | | | 2 | | 0,3 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | 44 | 44 | | | 11,0 |
| 8.- Other non-specified activities | | 9 | 99 | | 59 | | 2 | 28 | 24,6 |
| TOTAL DEPARTMENT | 1318 | 1411 | 1324 | 824 | 1279 | 1262 | 1117 | 830 | 11170,6 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE F-2

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF SPORTS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 16 | 54 | 58 | | 70 | 36 | | | 46,8 |
| II.- INDIRECT TEACHING | 18 | 24 | 7 | | 18 | 22 | | | 17,8 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 6 | | 7 | | 8 | 22 | | | 8,6 |
| 2.- Correction of tests, reports, excercises and theses | 2 | | | | | | | | 0,4 |
| 3.- Attention to students | 10 | 24 | 10 | | | | | | 8,8 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table F-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | | | | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 6 | | | | | | | | 1,2 |
| 1.- Participation in non-specified community service activities | 6 | | | | | | | | 1,2 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table F-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 20 | 10 | 11 | | 25 | 11 | | | 15,4 |
| 1.- Chairmanship | | 10 | | | | | | | 2,0 |
| 2.- Head of studies | 20 | | | | | | | | 4,0 |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | 7 | | | 1,4 |
| 12.- Sports coaching and coordination | | | 11 | | 25 | | | | 7,2 |
| 13.- Head of planning offices | | | | | | 4 | | | 0,8 |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 45 | | | 18 | 19 | | | 16,4 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 45 | | | 18 | 19 | | | 16,4 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 60 | 133 | 76 | | 131 | 88 | | | 97,6 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-3

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF ELECTRICITY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 196 | | | | 185 | 324 | 195 | 134 | 206,8 |
| II.- INDIRECT TEACHING | 221 | | | | 133 | 593 | 200 | 271 | 283,6 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 153 | | | | | 410 | 93 | 161 | 163,4 |
| 2.- Correction of tests, reports, excercises and theses | 22 | | | | | 35 | 24 | 19 | 20,0 |
| 3.- Attention to students | 46 | | | | 99 | 112 | 25 | 76 | 71,6 |
| 4.- Supervision of assistants and field work | | | | | 34 | | | 15 | 9,8 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | 6 | | 1,2 |
| 6.- Participation in dissertation committees | | | | | | 9 | 10 | | 3,8 |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | 3 | | 0,6 |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | 27 | 39 | | 13,2 |

Page 1 of 4

Continued Table F-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 72 | | | | 33 | 63 | 26 | 50 | 48,8 |
| 1.- Group or team research activities | 72 | | | | 33 | 63 | 26 | 50 | 48,8 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | 129 | 55 | 71 | | 51,0 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | 44 | | | | 8,8 |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | 85 | 55 | 71 | | 42,2 |
| V.- COMMUNITY SERVICES | 67 | | | | 31 | 29 | 48 | 15 | 38,0 |
| 1.- Participation in non-specified community service activities | 67 | | | | 31 | 20 | | | 23,6 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | 4 | 28 | | 6,4 |
| 3.- Participation in cultural activities | | | | | | | 4 | 11 | 3,0 |
| 4.- Field work and visits to industries | | | | | | 5 | 1 | | 1,2 |
| 5.- Advising and providing services to industrial laboratories | | | | | | | 13 | 4 | 3,4 |
| 6.- Project production | | | | | | | 1 | | 0,2 |
| 7.- Preparation of information booklets | | | | | | | 1 | | 0,2 |

Continued Table F-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 103 | | | | 122 | 131 | 105 | 32 | 98,6 |
| 1.- Chairmanship | 12 | | | | | 27 | | 19 | 11,6 |
| 2.- Head of studies | | | | | | 8 | 8 | 2 | 3,6 |
| 3.- Coordination of areas | | | | | | 14 | 11 | | 5,0 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | 2 | 7 | | 1,8 |
| 7.- Coordination of students' professional practice | | | | | | 4 | 4 | | 1,6 |
| 8.- Coordination of community services | 23 | | | | | | | | 4,6 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | 2 | | 0,4 |
| 11.- Other activities in academic administration | 30 | | | | 122 | 32 | 46 | 11 | 48,2 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | 44 | | | 8,8 |
| | 38 | | | | | | 27 | | 13,0 |

Continued Table F-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | 10 | 26 | 7,2 |
| 2.- Technical advisories | | | | | | | 4 | | 0,8 |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | 6 | 5 | 2,2 |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | 21 | 4,2 |
| TOTAL DEPARTMENT | 659 | | | | 633 | 1195 | 655 | 528 | 734,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-4

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF GEOMEASUREMENT

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 114 | 84 | 16 | | | | | | 104,7 |
| II.- INDIRECT TEACHING | 122 | 74 | 83 | | | | | | 93,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 77 | 30 | 50 | | | | | | 52,3 |
| 2.- Correction of tests, reports, excercises and theses | 10 | 31 | 10 | | | | | | 17,0 |
| 3.- Attention to students | 35 | 13 | 23 | | | | | | 23,7 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Aovising | | | | | | | | | |

Continued Table F-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 2 | 6 | 10 | | | | | | 6,0 |
| 1.- Group or team research activities | 2 | 6 | 10 | | | | | | 6,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 10 | | 1 | | | | | | 3,7 |
| 1.- Participation in non-specified community service activities | 10 | | | | | | | | 3,3 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 1 | | | | | | 0,4 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 16 | 24 | 46 | | | | | | 28,6 |
| 1.- Chairmanship | 8 | 12 | 30 | | | | | | 16,6 |
| 2.- Head of studies | | | 4 | | | | | | 1,3 |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | 10 | 10 | | | | | | 6,7 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 2 | | | | | | 0,7 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | 8 | 2 | | | | | | | 3,3 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 20 | 1 | | | | | | 7,0 |
| 1.- Participation in non-academic activities on campus or in the community | | 14 | | | | | | | 4,6 |
| 2.- Technical advisories | | 2 | | | | | | | 0,7 |
| 3.- Membership in non-University committees | | 2 | | | | | | | 0,7 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | 2 | | | | | | | 0,7 |
| 7.- Healt licenses | | | 1 | | | | | | 0,3 |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 264 | 208 | 257 | | | | | | 243,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-5

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF MECHANICS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 216 | | 218 | 176 | 256 | 316 | 190 | 153 | 217,9 |
| II.- INDIRECT TEACHING | 381 | | 167 | 200 | 348 | 512 | 285 | 255 | 306,9 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 289 | | 100 | 108 | 142 | 314 | 192 | 142 | 183,9 |
| 2.- Correction of tests, reports, excercises and theses | 32 | | 26 | | 110 | 41 | 31 | 25 | 37,9 |
| 3.- Attention to stucents | 60 | | 41 | 92 | 65 | 118 | 31 | 78 | 69,3 |
| 4.- Supervision of assistants and field work | | | | | 21 | 39 | 16 | 8 | 12,0 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | 15 | 2 | 2,4 |
| 6.- Participation in cissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | 10 | | | | 1,4 |
| 9.- Advising | | | | | | | | | |







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Continued Table F-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 51 | | | 42 | 4 | 16 | 28 | 18 | 22,7 |
| 1.- Group or team research activities | 51 | | | 42 | 4 | 16 | 28 | 18 | 22,7 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | 10 | 3 | 42 | 48 | 14 | 44 | 23,0 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | 44 | 6,3 |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 10 | 3 | 42 | 48 | 14 | | 16,7 |
| V.- COMMUNITY SERVICES | 18 | | 34 | 23 | | 6 | 4 | 8 | 13,2 |
| 1.- Participation in non-specified community service activities | 18 | | | 23 | | 6 | | | 6,7 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 34 | | | | | 4 | 5,4 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | 4 | 4 | 1,1 |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 91 | | 120 | 84 | 122 | 90 | 94 | 28 | 89,9 |
| 1.- Chairmanship | 30 | | 30 | 30 | 21 | 24 | 12 | | 21,0 |
| 2.- Head of studies | 2 | | | | 9 | 6 | 8 | 6 | 4,4 |
| 3.- Coordination of areas | 24 | | 33 | | 47 | 28 | 12 | 10 | 22,0 |
| 4.- Coordination of sections | | | 7 | | 1 | | | | 1,2 |
| 5.- Coordination of research or member of research committees | 4 | | | | | 5 | | | 1,3 |
| 6.- Coordination of laboratories and workshops | 24 | | 40 | 10 | 14 | 17 | 53 | 12 | 24,3 |
| 7.- Coordination of students' professional practice | 1 | | | | 14 | | | | 2,1 |
| 8.- Coordination of community services | 3 | | | | | | 4 | | 1,0 |
| 9.- Coordination of public services | | | | | 16 | | 5 | | 3,0 |
| 10.- Department meetings | 3 | | 10 | | | 10 | | | 3,3 |
| 11.- Other activities in academic administration | | | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | 16 | | | | | 2,3 |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | 28 | | | | | 4,0 |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Srena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | 92 | 24 | 25 | 60 | 28,7 |
| 2.- Technical advisories | | | | | | 24 | 15 | | 5,6 |
| 3.- Membership in non-University committees | | | | | 5 | | | | 0,7 |
| 4.- Implementation of laboratories and computing programs | | | | | 10 | | 8 | | 2,6 |
| 5.- Sports coaching and training of non-academic personnel | | | | | 2 | | | | 0,2 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | 75 | | 2 | 60 | 19,6 |
| TOTAL DEPARTMENT | 757 | | 549 | 528 | 864 | 1012 | 640 | 566 | 702,3 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-6

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF MINING

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 138 | 206 | 202 | | | | | | 182,0 |
| II.- INDIRECT TEACHING | 130 | 262 | 86 | | | | | | 159,3 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 90 | 132 | 50 | | | | | | 90,6 |
| 2.- Correction of tests, reports, excercises and theses | 12 | 49 | 10 | | | | | | 23,7 |
| 3.- Attention to students | 28 | 39 | 26 | | | | | | 31,0 |
| 4.- Supervision of assistants and field work | | 14 | | | | | | | 4,7 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | 6 | | | | | | | 2,0 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | 4 | | | | | | | 1,3 |
| 8.- Updating of courses | | 18 | | | | | | | 6,0 |
| 9.- Advising | | | | | | | | | |

Continued Table F-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 30 | 33 | 3 | | | | | | 22,0 |
| 1.- Group or team research activities | 30 | 33 | 3 | | | | | | 22,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 44 | | | | | | | 14,7 |
| 1.- Studies leading to a Bachelor of Arts degree | | 20 | | | | | | | 6,7 |
| 2.- Studies leading to Civil Engineering degree | | 24 | | | | | | | 8,0 |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 14 | 5 | 10 | | | | | | 9,7 |
| 1.- Participation in non-specified community service activities | 14 | 5 | | | | | | | 6,3 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 7 | | | | | | 2,4 |
| 3.- Participation in cultural activities | | | 3 | | | | | | 1,0 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 40 | 40 | 109 | | | | | | 63,0 |
| 1.- Chairmanship | 14 | 30 | 30 | | | | | | 24,7 |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | 20 | | | | | | 6,7 |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | 31 | | | | | | 10,3 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | 6 | | | | | | 2,0 |
| 11.- Other activities in academic administration | 26 | 10 | 22 | | | | | | 19,3 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiap. | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 44 | 13 | | | | | | 19,0 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | 44 | | | | | | | 14,7 |
| 8.- Other non-specified activities | | | 13 | | | | | | 4,3 |
| TOTAL DEPARTMENT | 352 | 634 | 423 | | | | | | 469,7 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-7

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF CHEMISTRY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 198 | | | | | | | 157 | 177,5 |
| II.- INDIRECT TEACHING | 319 | | | | | | | 289 | 304,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 187 | | | | | | | 170 | 178,5 |
| 2.- Correction of tests, reports, excercises and theses | 29 | | | | | | | 25 | 27,0 |
| 3.- Attention to students | 103 | | | | | | | 52 | 77,5 |
| 4.- Supervision of assistants and field work | | | | | | | | 37 | 18,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | 5 | 2,5 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Page 1 of 4

Continued Table F-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 48 | | | | | | | 142 | 95,0 |
| 1.- Group or team research activities | 48 | | | | | | | 142 | 95,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 120 | | | | | | | | 60,0 |
| 1.- Studies leading to a Bachelor of Arts degree | 4 | | | | | | | | 2,0 |
| 2.- Studies leading to Civil Engineering degree | 12 | | | | | | | | 6,0 |
| 3.- Graduate studies leading to a Master of Arts degree | 88 | | | | | | | | 44,0 |
| 4.- Graduate studies leading to a Doctors degree | 16 | | | | | | | | 8,0 |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 16 | | | | | | | 13 | 14,5 |
| 1.- Participation in non-specified community service activities | 16 | | | | | | | | 8,0 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | 13 | 6,5 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 79 | | | | | | | 79 | 79,0 |
| 1.- Chairmanship | 22 | | | | | | | 8 | 15,0 |
| 2.- Head of studies | 2 | | | | | | | 2 | 2,0 |
| 3.- Coordination of areas | 6 | | | | | | | 12 | 9,0 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | 2 | |
| 6.- Coordination of laboratories and workshops | 8 | | | | | | | 6 | 7,0 |
| 7.- Coordination of students' professional practice | 3 | | | | | | | | 1,5 |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | 16 | | | | | | | | 8,0 |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | 22 | | | | | | | 2 | 12,0 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | 2 | 1,0 |
| 15.- Academic secretary | | | | | | | | 19 | 9,5 |
| 16.- Vice-Rectory | | | | | | | | 26 | 13,0 |

Continued Table F-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | 26 | 13,0 |
| 2.- Technical advisories | | | | | | | | 2 | 1,0 |
| 3.- Membership in non-University committees | | | | | | | | 2 | 1,0 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| | | | | | | | | 22 | 11,0 |
| TOTAL DEPARTMENT | 780 | | | | | | | 706 | 493,5 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-8

UNIVERSIDAD TECNICA DEL ESTADO

ACADEMIC SECRETARY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa- | Copiapó | Serena | Talca | Concep- | Temuco | Valdivia | Punta | Mean |
| I.- DIRECT TEACHING (Contact hours) | 24 | | 26 | | | | | | 25,0 |
| II.- INDIRECT TEACHING | 52 | | 25 | | | | | | 38,5 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 27 | | 20 | | | | | | 23,5 |
| 2.- Correction of tests, reports, excercises and theses | 5 | | 2 | | | | | | 3,5 |
| 3.- Attention to students | 20 | | 3 | | | | | | 11,5 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table F-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 8 | | | | | | | | 4,0 |
| 1.- Group or team research activities | 8 | | | | | | | | 4,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | | | | | | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Continued Table F-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 4 | | 40 | | | | | | 22,0 |
| 1.- Chairmanship | | | | | | | | | |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | 4 | | 10 | | | | | | 7,0 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 30 | | | | | | 15,0 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |





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Continued Table F-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 88 | | 91 | | | | | | 89,5 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-9

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF TECHNOLOGY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 121 | 59 | 44 | 68 | 6 | 61 | 139 | 68 | 70,8 |
| II.- INDIRECT TEACHING | 276 | 19 | 46 | 138 | 24 | 93 | 117 | 154 | 108,4 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 137 | 12 | 30 | 69 | 6 | 50 | 54 | 75 | 54,1 |
| 2.- Correction of tests, reports, excercises and theses | 18 | 4 | 16 | 27 | 2 | 5 | 9 | 18 | 12,4 |
| 3.- Attention to students | 121 | | | 42 | 8 | 10 | 26 | 45 | 31,5 |
| 4.- Supervision of assistants and field work | | | | | | | 11 | 16 | 3,3 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | 3 | | | | 14 | | | 2,1 |
| 6.- Participation in dissertation committees | | | | | | 2 | | | 0,4 |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | 8 | 12 | 17 | | 4,6 |

Continued Table F-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| III.- RESEARCH | | | | | 4 | | 30 | | 4,2 |
| 1.- Group or team research activities | | | | | 4 | | 30 | | 4,2 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | 11 | 16 | | | | | 3,4 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 11 | 16 | | | | | 3,4 |
| V.- COMMUNITY SERVICES | | 3 | | | | 4 | 1 | | 1,0 |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | 4 | | | 0,5 |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | 3 | | | | | 1 | | 0,5 |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 93 | 51 | 39 | 55 | 42 | 34 | 37 | 34 | 48,1 |
| 1.- Chairmanship | 44 | 30 | 34 | 16 | 18 | 12 | 12 | 15 | 22,6 |
| 2.- Head of studies | 26 | | | 20 | | 11 | 21 | | 9,8 |
| 3.- Coordination of areas | | | 5 | 16 | | | 2 | 15 | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | 4 | | | 4 | 1,0 |
| 6.- Coordination of laboratories and workshops | | 13 | | | | | | | 1,6 |
| 7.- Coordination of students' professional practice | 15 | | | 3 | 10 | 11 | 2 | | 5,1 |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | 8 | | | | | | | 1,0 |
| 11.- Other activities in academic administration | 8 | | | | 10 | | | | 2,2 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Concep-ción | Temuco | Valdivia | Puerto | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | 1 | 44 | | 7 | 20 | 3 | 9,4 |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | 10 | | 1,3 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | 44 | | | | | 5,5 |
| | | | 1 | | | 7 | 10 | 3 | 2,6 |
| TOTAL DEPARTMENT | 490 | 132 | 141 | 321 | 76 | 199 | 344 | 259 | 245,3 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-10

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF CIVIL WORK

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | 151 | | | 130 | 158 | | 146,3 |
| II.- INDIRECT TEACHING | | | 88 | | | 195 | 284 | | 189,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | 50 | | | 88 | 53 | | 97,0 |
| 2.- Correction of tests, reports, excercises and theses | | | 20 | | | 26 | 23 | | 23,0 |
| 3.- Attention to students | | | 18 | | | 81 | 64 | | 54,3 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 44 | | 14,7 |

Continued Table F-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | 10 | | | 5 | | | 5,0 |
| 1.- Group or team research activities | | | 10 | | | 5 | | | 5,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | 19 | | | 7 | 32 | | 19,3 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | 19 | | | | | | 6,3 |
| 5.- Other studies | | | | | | 7 | 32 | | 13,0 |
| V.- COMMUNITY SERVICES | | | 5 | | | 26 | | | 10,3 |
| 1.- Participation in non-specified community service activities | | | | | | 2 | | | 0,6 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 5 | | | | | | 1,7 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 24 | | | 8,0 |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | 136 | | | 34 | 54 | | 74,7 |
| 1.- Chairmanship | | | 30 | | | 14 | 12 | | 18,7 |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | | | 20 | | | | 16 | | 12,0 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | 60 | | | | 14 | | 24,7 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 6 | | | | | | 2,0 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | 20 | | | 20 | 12 | | 17,3 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |



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Continued Table F-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | 68 | | | 22 | | | 30,0 |
| 2.- Technical advisories | | | 20 | | | | | | 6,7 |
| 3.- Membership in non-University committees | | | 5 | | | | | | 1,6 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | 43 | | | 22 | | | 21,7 |
| TOTAL DEPARTMENT | | | 477 | | | 419 | 528 | | 474,6 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE F-11

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF ADMINISTRATION AND ECONOMICS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | | 56 | | 56 | | 52 | 54,7 |
| II.- INDIRECT TEACHING | | | | 86 | | 89 | | 107 | 94,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | | 68 | | 71 | | 65 | 68,0 |
| 2.- Correction of tests, reports, excercises and theses | | | | | | 6 | | 6 | 4,0 |
| 3.- Attention to students | | | | 18 | | 9 | | 24 | 17,0 |
| 4.- Supervision of assistants and field work | | | | | | 3 | | 12 | 5,0 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table F-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | 16 | | | | | 5,3 |
| 2.- Individual research | | | | 16 | | | | | 5,3 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | | | | | | | |
| 1.- Participation in non-specified community service activities | | | | 8 | | 2 | | | 3,4 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | 8 | | 2 | | | 3,4 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table F-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | | 16 | | 42 | | 36 | 31,3 |
| 1.- Chairmanship | | | | 16 | | 16 | | 14 | 15,3 |
| 2.- Head of studies | | | | | | | | 7 | 2,3 |
| 3.- Coordination of areas | | | | | | 24 | | 10 | 11,3 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | 2 | | | 0,7 |
| 6.- Coordination of laboratories and workshops | | | | | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | | | 5 | 1,7 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | | | | 182 | | 189 | | 195 | 188,7 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE P-12

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF GENERAL STUDIES

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Hours)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | | 385 | | 12 | 12 | 85 | 123,5 |
| II.- INDIRECT TEACHING | | | | 247 | | 28 | 21 | 127 | 105,8 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | | 164 | | 20 | 6 | 67 | 64,3 |
| 2.- Correction of tests, reports, excercises and theses | | | | | | 2 | 6 | 8 | 4,0 |
| 3.- Attention to students | | | | 83 | | 6 | | 26 | 28,8 |
| 4.- Supervision of assistants and field work | | | | | | | | 22 | 5,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | 6 | | 1,5 |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 3 | 4 | 1,7 |

Continued Table F-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | 67 | | | | 4 | 17,7 |
| 1.- Group or team research activities | | | | 67 | | | | 4 | 17,7 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | 107 | | | | | 26,8 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | 44 | | | | | 11,0 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | 40 | | | | | 10,0 |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | 23 | | | | | 5,8 |
| V.- COMMUNITY SERVICES | | | | 58 | | 4 | | 76 | 34,5 |
| 1.- Participation in non-specified community service activities | | | | 58 | | 4 | | | 15,5 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | 76 | 19,0 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table F-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivi | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | | 28 | | | 9 | 25 | 15,5 |
| 1.- Chairmanship | | | | 8 | | | | | 2,0 |
| 2.- Head of studies | | | | | | | | 10 | 2,5 |
| 3.- Coordination of areas | | | | | | | 4 | 15 | 4,8 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | 4 | | | | | 1,0 |
| 6.- Coordination of laboratories and workshops | | | | 8 | | | | | 2,0 |
| 7.- Coordination of students' professional practice | | | | 8 | | | | | 2,0 |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | 5 | | 1,2 |
| 11.- Other activities in academic administration | | | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table F-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | 5 | 52 | 14,2 |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | 5 | | 1,2 |
| 7.- Healt licenses | | | | | | | | 44 | 11,0 |
| 8.- Other non-specified activities | | | | | | | | 8 | 2,0 |
| TOTAL DEPARTMENT | | | | 892 | | 44 | 47 | 369 | 338,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-1

ACTIVIDAD TECNICA DEL DEPTO.

DEPARTMENT OF PURE SCIENCES

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 23,6 | 36,5 | 30,4 | 38,2 | 22,5 | 29,5 | 24,7 | 29,4 | 29,4 |
| II.- INDIRECT TEACHING | 50,4 | 39,5 | 20,5 | 31,4 | 38,0 | 54,9 | 46,4 | 48,3 | 41,2 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 34,5 | 19,3 | 15,1 | 15,3 | 22,5 | 39,1 | 24,9 | 32,9 | 25,5 |
| 2.- Correction of tests, reports, excercises and theses | 2,9 | 2,1 | 1,5 | | | 1,6 | 6,6 | 2,8 | 2,2 |
| 3.- Attention to students | 13,0 | 15,7 | 3,9 | 16,1 | | 14,2 | 13,4 | 12,5 | 11,1 |
| 4.- Supervision of assistants and field work | | 2,4 | | | 7,7 | | | | 1,2 |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | | | | 7,8 | | 0,8 | 0,1 | 1,1 |
| 6.- Participation in cissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Upoating of courses | | | | | | | | | |
| 9.- Aovising | | | | | | | 0,7 | | 0,1 |





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Continued Table G-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 2,0 | 3,3 | 3,2 | 3,5 | 0,4 | 0,6 | 0,2 | 2,4 | 1,9 |
| 1.- Group or team research activities | 2,0 | 3,3 | 3,2 | 3,5 | | 0,6 | | 2,4 | 1,8 |
| 2.- Individual research | | | | | 0,4 | | 0,2 | | 0,1 |
| IV.- FACULTY DEVELOPMENT | 15,6 | 14,2 | 21,1 | 10,4 | 13,6 | 4,0 | 20,4 | 8,2 | 13,4 |
| 1.- Studies leading to a Bachelor of Arts degree | 6,3 | 6,2 | | 10,4 | 6,9 | | 7,9 | | 4,7 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | 6,5 | 0,8 |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | 9,3 | 8,0 | 21,1 | | 6,7 | 4,0 | 12,5 | 1,7 | 7,9 |
| V.- COMMUNITY SERVICES | 2,1 | 3,0 | 5,2 | 3,4 | 0,6 | | 0,9 | 1,6 | 2,1 |
| 1.- Participation in non-specified community service activities | 2,1 | 2,8 | | 3,4 | | | | | 1,0 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 5,2 | | 0,6 | | 0,9 | 0,5 | 0,9 |
| 3.- Participation in cultural activities | | 0,2 | | | | | | 1,1 | 0,2 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Continued Table G-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 6,3 | 2,9 | 12,1 | 13,1 | 16,8 | 7,4 | 7,1 | 6,7 | 9,1 |
| 1.- Chairmanship | 1,5 | 1,0 | 2,3 | 2,9 | 1,1 | 2,1 | 1,6 | 2,7 | 1,9 |
| 2.- Head of studies | | | 1,5 | 2,7 | 1,1 | 0,9 | 0,3 | | 0,8 |
| 3.- Coordination of areas | | 1,4 | 2,3 | | | 1,7 | 0,3 | 0,6 | 0,8 |
| 4.- Coordination of sections | | | 3,0 | | | | 0,5 | | 0,4 |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | 0,4 | 1,5 | 2,2 | 0,3 | 1,0 | 0,3 | | 0,7 |
| 7.- Coordination of students' professional practice | | | | | 0,3 | | | | 0,1 |
| 8.- Coordination of community services | | | | | | 1,7 | | | 0,2 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | 4,2 | | 2,9 | 2,3 | 1,2 |
| 11.- Other activities in academic administration | 4,8 | 0,1 | 1,5 | 1,4 | 6,7 | | 1,2 | 0,9 | 2,1 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | 0,2 | 0,0 |
| 16.- Vice-Rectory | | | | | 3,1 | | | | 0,4 |
| | | | | 3,9 | | | | | 0,5 |







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Continued Table G-1

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 0,6 | 7,5 | | 8,1 | 3,5 | 0,3 | 3,4 | 2,9 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | 0,1 | | | | 0,0 |
| 3.- Membership in non-University committees | | | | | | | 0,2 | | 0,0 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | 3,4 | 3,5 | | | 0,9 |
| 8.- Other non-specified activities | | 0,6 | 7,5 | | 4,6 | | 0,1 | 3,4 | 2,0 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-2

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF SPORTS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 26,7 | 40,6 | 76,7 | | 53,5 | 40,9 | | | 47,7 |
| II.- INDIRECT TEACHING | 30,0 | 18,0 | 8,7 | | 13,7 | 25,0 | | | 19,1 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 10,0 | | 8,7 | | 6,1 | 25,0 | | | 10,0 |
| 2.- Correction of tests, reports, excercises and theses | 3,3 | | | | | | | | 0,7 |
| 3.- Attention to stucents | 16,7 | 18,0 | | | 7,6 | | | | 8,4 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |



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Continued Table G-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | | | | | | |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 10,0 | | | | | | | | 2,0 |
| 1.- Participation in non-specified community service activities | 10,0 | | | | | | | | 2,0 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table G-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 33,3 | 7,6 | 14,6 | | 19,1 | 12,5 | | | 17,4 |
| 1.- Chairmanship | | 7,6 | | | | | | | 1,5 |
| 2.- Head of studies | 33,3 | | | | | | | | 6,7 |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | 8,0 | | | 1,6 |
| 11.- Other activities in academic administration | | | 14,6 | | 19,1 | | | | 6,7 |
| 12.- Sports coaching and coordination | | | | | | 4,5 | | | 0,9 |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |







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Continued Table G-2

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | 33,8 | | | 13,7 | 21,6 | | | 13,8 |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 33,8 | | | 13,7 | 21,6 | | | 13,8 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | | 100,0 | 100,0 | | | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-3

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF ELECTRICITY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 29,7 | | | | 29,2 | 27,1 | 29,9 | 25,4 | 28,3 |
| II.- INDIRECT TEACHING | 33,5 | | | | 21,0 | 49,7 | 30,5 | 51,3 | 37,2 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 23,3 | | | | | 34,4 | 14,2 | 30,5 | 20,5 |
| 2.- Correction of tests, reports, excercises and theses | 3,2 | | | | | 2,9 | 3,7 | 3,6 | 2,7 |
| 3.- Attention to students | 7,0 | | | | 15,6 | 9,4 | 3,8 | 14,4 | 10,0 |
| 4.- Supervision of assistants and fielc work | | | | | 5,4 | | | 2,8 | 1,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | 0,9 | | 0,2 |
| 6.- Participation in dissertation committees | | | | | | 0,8 | 1,5 | | 0,4 |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | 0,4 | | 0,1 |
| 8.- Upoating of courses | | | | | | | | | |
| 9.- Aovising | | | | | | 2,2 | 6,0 | | 1,8 |







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Continued Table G-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 10,9 | | | | 5,2 | 5,3 | 4,0 | 9,5 | 7,0 |
| 1.- Group or team research activities | 10,9 | | | | 5,2 | 5,3 | 4,0 | 9,5 | 7,0 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | 20,4 | 4,6 | 10,8 | | 7,2 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | 7,0 | | | | 1,4 |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | 13,4 | 4,6 | 10,8 | | 5,8 |
| V.- COMMUNITY SERVICES | 10,3 | | | | 4,9 | 2,3 | 7,3 | 2,8 | 5,5 |
| 1.- Participation in non-specified community service activities | 10,3 | | | | 4,9 | 1,7 | | | 3,4 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | 4,3 | | 0,9 |
| 3.- Participation in cultural activities | | | | | | 0,2 | 0,6 | 2,1 | 0,6 |
| 4.- Field work and visits to industries | | | | | | 0,4 | 0,2 | | 0,1 |
| 5.- Advising and providing services to industrial laboratories | | | | | | | 2,0 | 0,7 | 0,5 |
| 6.- Project production | | | | | | | 0,1 | | 0,0 |
| 7.- Preparation of information booklets | | | | | | | 0,1 | | 0,0 |

Continued Table G-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 15,6 | | | | 19,3 | 11,0 | 16,0 | 6,1 | 13,6 |
| 1.- Chairmanship | 1,7 | | | | | 2,3 | | 3,6 | 1,5 |
| 2.- Head of studies | | | | | | 0,7 | 1,2 | 0,4 | 0,5 |
| 3.- Coordination of areas | | | | | | 1,2 | 1,7 | | 0,6 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | 0,1 | 1,1 | | 0,2 |
| 6.- Coordination of laboratories and workshops | | | | | | 0,3 | 0,6 | | 0,2 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | 3,5 | | | | | | | | 0,7 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | 0,3 | | 0,1 |
| 11.- Other activities in academic administration | 4,6 | | | | 19,3 | 2,7 | 7,0 | 2,1 | 7,1 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | 5,8 | | | | | 3,7 | 4,1 | | 2,7 |
| 16.- Vice-Rectory | | | | | | | | | |







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Continued Table G-3

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | 1,5 | 4,9 | 1,2 |
| 2.- Technical advisories | | | | | | | 0,6 | | 0,1 |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | 0,9 | 0,9 | 0,3 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | 4,0 | 0,8 |
| TOTAL DEPARTMENT | 100,0 | | | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-4

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF GEOMEASUREMENT

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 43,2 | 40,4 | 45,2 | | | | | | 42,9 |
| II.- INDIRECT TEACHING | 46,2 | 35,6 | 32,2 | | | | | | 38,0 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 29,4 | 14,7 | 19,5 | | | | | | 21,2 |
| 2.- Correction of tests, reports, excercises and theses | 3,5 | 14,7 | 3,9 | | | | | | 7,4 |
| 3.- Attention to students | 13,3 | 6,2 | 8,8 | | | | | | 9,4 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, cuizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Page 1 of 4





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Continued Table G-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 0,8 | 2,8 | 3,9 | | | | | | 2,5 |
| 1.- Group or team research activities | 0,8 | 2,8 | 3,9 | | | | | | 2,5 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 3,8 | | 0,4 | | | | | | 1,5 |
| 1.- Participation in non-specified community service activities | 3,8 | | | | | | | | 1,3 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 0,4 | | | | | | 0,2 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continuation Table G-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 6,0 | 11,6 | 17,9 | | | | | | 11,8 |
| 1.- Chairmanship | 3,0 | 5,8 | 11,7 | | | | | | 6,8 |
| 2.- Head of studies | | | 1,6 | | | | | | 0,5 |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | 4,8 | 3,9 | | | | | | 2,9 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 0,7 | | | | | | 0,3 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | 3,0 | 1,0 | | | | | | | 1,3 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |





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Continued Table G-4

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 9,6 | 0,4 | | | | | | 3,3 |
| 1.- Participation in non-academic activities on campus or in the community | | 6,7 | | | | | | | 2,2 |
| 2.- Technical advisories | | 1,0 | | | | | | | 0,3 |
| 3.- Membership in non-University committees | | 1,0 | | | | | | | 0,3 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | 0,9 | | | | | | | 0,3 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | 0,4 | | | | | | 0,2 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | | | | | | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

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TABLE G-5

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF MECHANICS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 28,5 | | 39,7 | 33,3 | 29,6 | 31,2 | 29,7 | 27,0 | 31,3 |
| II.- INDIRECT TEACHING | 50,3 | | 30,4 | 37,9 | 40,3 | 50,6 | 44,5 | 45,1 | 42,7 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 38,2 | | 18,2 | 20,5 | 16,4 | 31,0 | 30,0 | 25,1 | 25,6 |
| 2.- Correction of tests, reports, excercises and theses | 4,2 | | 4,8 | 17,4 | 12,7 | 4,0 | 4,8 | 4,4 | 7,5 |
| 3.- Attention to students | 7,9 | | 7,4 | | 7,5 | 11,7 | 4,8 | 13,8 | 7,6 |
| 4.- Supervision of assistants and field work | | | | | 2,4 | 3,9 | 2,5 | 1,4 | 1,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | 2,4 | 0,4 | 0,4 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Upoating of courses | | | | | | | | | |
| 9.- Aovising | | | | | 1,3 | | | | 0,1 |

Page 1 of 4

Continued Table G-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 6,7 | | | 8,0 | 0,5 | 1,6 | 4,3 | 3,2 | 3,5 |
| 1.- Group or team research activities | 6,7 | | | 8,0 | 0,5 | 1,6 | 4,3 | 3,2 | 3,5 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | | 1,8 | 0,5 | 4,9 | 4,7 | 2,2 | 7,8 | 3,1 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | 7,8 | 1,1 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | 1,8 | 0,5 | 4,9 | 4,7 | 2,2 | | 2,0 |
| V.- COMMUNITY SERVICES | 2,5 | | 6,2 | 4,4 | | 0,6 | 0,7 | 1,4 | 2,3 |
| 1.- Participation in non-specified community service activities | 2,5 | | | 4,4 | | 0,6 | | | 1,1 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | 6,2 | | | | | 0,7 | 1,0 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | 0,7 | 0,7 | 0,2 |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Table G-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 12,0 | | 21,9 | 15,9 | 14,1 | 8,9 | 14,7 | 4,9 | 13,2 |
| 1.- Chairmanship | 4,0 | | 5,5 | 5,7 | 2,4 | 2,4 | 1,9 | | 3,1 |
| 2.- Head of studies | 0,2 | | | | 1,0 | 0,6 | 1,3 | 1,0 | 0,6 |
| 3.- Coordination of areas | 3,2 | | 6,0 | | 5,4 | 2,8 | 1,9 | 1,8 | 3,0 |
| 4.- Coordination of sections | | | 1,3 | | 0,1 | | | | 0,3 |
| 5.- Coordination of research or member of research committees | 0,5 | | | | | 0,4 | | | 0,1 |
| 6.- Coordination of laboratories and workshops | 3,2 | | 7,3 | 1,9 | 1,6 | 1,7 | 8,3 | 2,1 | 3,7 |
| 7.- Coordination of students' professional practice | 0,1 | | | | 1,6 | | | | 0,2 |
| 8.- Coordination of community services | 0,4 | | | | | | 0,6 | | 0,1 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | 1,9 | | 0,7 | | 0,4 |
| 11.- Other activities in academic administration | 0,4 | | 1,8 | | | 1,0 | | | 0,5 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | 3,0 | | | | | 0,4 |
| 14.- Registrar's office | | | | 5,3 | | | | | 0,8 |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |





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Continued Table G-5

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | 10,6 | 2,4 | 3,9 | 10,6 | 3,9 |
| 2.- Technical advisories | | | | | | 2,4 | 2,3 | | 0,7 |
| 3.- Membership in non-University committees | | | | | 0,6 | | | | 0,1 |
| 4.- Implementation of laboratories and computing programs | | | | | 1,2 | | 1,3 | | 0,2 |
| 5.- Sports coaching and training of non-academic personnel | | | | | 0,2 | | | | 0,1 |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | 8,7 | | 0,3 | 10,6 | 2,8 |
| TOTAL DEPARTMENT | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-6

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF MINING

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 39,2 | 32,5 | 47,7 | | | | | | 39,8 |
| II.- INDIRECT TEACHING | 36,9 | 41,3 | 20,3 | | | | | | 32,8 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 25,6 | 20,8 | 11,8 | | | | | | 19,4 |
| 2.- Correction of tests, reports, excercises and theses | 3,3 | 7,7 | 2,4 | | | | | | 4,5 |
| 3.- Attention to students | 8,0 | 6,2 | 6,1 | | | | | | 6,8 |
| 4.- Supervision of assistants and field work | | 2,2 | | | | | | | 0,7 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | 0,9 | | | | | | | 0,3 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | 0,7 | | | | | | | 0,2 |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | 2,8 | | | | | | | 0,9 |

Page 1 of -

Continued Table G-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 8,5 | 5,2 | 0,7 | | | | | | 4,8 |
| 1.- Group or team research activities | 8,5 | 5,2 | 0,7 | | | | | | 4,8 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | | 6,9 | | | | | | | 2,4 |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | 3,8 | | | | | | | 1,3 |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | 3,1 | | | | | | | 1,1 |
| 1.- Participation in non-specified community service activities | 4,0 | 0,9 | 2,4 | | | | | | 2,4 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | 4,0 | 0,9 | | | | | | | 1,6 |
| 3.- Participation in cultural activities | | | 1,8 | | | | | | 0,6 |
| 4.- Field work and visits to industries | | | 0,6 | | | | | | 0,2 |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table G-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 11,4 | 6,3 | 25,8 | | | | | | 14,5 |
| 1.- Chairmanship | 4,0 | 4,7 | 7,1 | | | | | | 5,3 |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | | | 4,7 | | | | | | 1,6 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | 7,3 | | | | | | 2,4 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | 1,5 | | | | | | 0,5 |
| 11.- Other activities in academic administration | 7,4 | 1,6 | 5,2 | | | | | | 4,7 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-6

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | 6,9 | 3,1 | | | | | | 3,3 |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | 6,9 | | | | | | | 2,3 |
| 8.- Other non-specified activities | | | 3,1 | | | | | | 1,0 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | | | | | | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE G-7

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF CHEMISTRY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 25,4 | | | | | | | 22,2 | 23,8 |
| II.- INDIRECT TEACHING | 40,9 | | | | | | | 40,9 | 40,9 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 24,0 | | | | | | | 24,1 | 24,0 |
| 2.- Correction of tests, reports, excercises and theses | 3,7 | | | | | | | 3,5 | 3,6 |
| 3.- Attention to stucents | 13,2 | | | | | | | 7,4 | 10,3 |
| 4.- Supervision of assistants and field work | | | | | | | | 5,2 | 2,6 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | 0,7 | 0,4 |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Upcating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |



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Continued Table G-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 6,2 | | | | | | | 20,1 | 13,2 |
| 1.- Group or team research activities | 6,2 | | | | | | | 20,1 | 13,2 |
| 2.- Individual research | | | | | | | | | |
| IV.- FACULTY DEVELOPMENT | 15,4 | | | | | | | | 7,7 |
| 1.- Studies leading to a Bachelor of Arts degree | 0,6 | | | | | | | | 0,3 |
| 2.- Studies leading to Civil Engineering degree | 1,5 | | | | | | | | 0,7 |
| 3.- Graduate studies leading to a Master of Arts degree | 11,3 | | | | | | | | 5,7 |
| 4.- Graduate studies leading to a Doctors degree | 2,0 | | | | | | | | 1,0 |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | 2,0 | | | | | | | 1,9 | 1,9 |
| 1.- Participation in non-specified community service activities | 2,0 | | | | | | | | 1,0 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | 1,9 | 0,9 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |

Continued Table G-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION: | 10,1 | | | | | | | 11,2 | 10,7 |
| 1.- Chairmanship | 2,8 | | | | | | | 1,1 | 2,0 |
| 2.- Head of studies | 0,2 | | | | | | | 0,3 | 0,3 |
| 3.- Coordination of areas | 0,8 | | | | | | | 1,7 | 1,3 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | 0,3 | 0,1 |
| 6.- Coordination of laboratories and workshops | | | | | | | | 0,8 | 0,4 |
| 7.- Coordination of students' professional practice | 1,0 | | | | | | | | 0,5 |
| 8.- Coordination of community services | 0,4 | | | | | | | | 0,2 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | 2,1 | | | | | | | | 1,0 |
| 11.- Other activities in academic administration | 2,8 | | | | | | | 0,3 | 1,6 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | 0,3 | 0,1 |
| 15.- Academic secretary | | | | | | | | 2,7 | 1,4 |
| 16.- Vice-Rectory | | | | | | | | 3,7 | 1,8 |

Continued Table G-7

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | 3,7 | 1,8 |
| 2.- Technical advisories | | | | | | | | 0,3 | 0,1 |
| 3.- Membership in non-University committees | | | | | | | | 0,3 | 0,1 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | 3,1 | 1,6 |
| TOTAL DEPARTMENT | 100,0 | | | | | | | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-8

UNIVERSIDAD TECNICA DEL ESTADO

ACADEMIC SECRETARY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 27,3 | | 28,4 | | | | | | 27,9 |
| II.- INDIRECT TEACHING | 59,0 | | 27,8 | | | | | | 43,4 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 30,7 | | 21,9 | | | | | | 26,3 |
| 2.- Correction of tests, reports, excercises and theses | 5,6 | | 2,6 | | | | | | 4,1 |
| 3.- Attention to students | 22,7 | | 3,3 | | | | | | 13,0 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |





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Continued Table G-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | 9,1 | | | | | | | | |
| 1.- Group or team research activities | 9,1 | | | | | | | | 4,5 |
| 2.- Individual research | | | | | | | | | 4,5 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | | | | | | | |
| 1.- Participation in non-specified community service activities | | | | | | | | | |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table G-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | | | | | | | |
| 1.- Chairmanship | 4,6 | | 43,8 | | | | | | 24,2 |
| 2.- Head of studies | | | | | | | | | |
| 3.- Coordination of areas | | | | | | | | | |
| 4.- Coordination of sections | 4,6 | | 11,0 | | | | | | 7,8 |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | | | | |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | 32,8 | | | | | | 16,4 |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-8

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | 100,0 | | 100,0 | | | | | | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-9

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF TECHNOLOGY

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | 24,7 | 44,7 | 31,2 | 21,2 | 7,9 | 30,7 | 40,4 | 26,3 | 28,4 |
| II.- INDIRECT TEACHING | 56,3 | 14,4 | 32,7 | 43,0 | 31,6 | 46,7 | 34,0 | 59,5 | 39,8 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | 28,0 | 9,0 | 21,2 | 21,7 | 7,9 | 25,1 | 15,7 | 29,0 | 19,7 |
| 2.- Correction of tests, reports, excercises and theses | 3,6 | 3,0 | 11,5 | 8,3 | 2,7 | 2,5 | 2,6 | 6,9 | 5,1 |
| 3.- Attention to students | 24,7 | | | 13,1 | 10,5 | 5,0 | 7,6 | 17,4 | 9,8 |
| 4.- Supervision of assistants and field work | | | | | | | 3,2 | 6,2 | 1,2 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | 7,0 | | | 0,9 |
| 6.- Participation in dissertation committees | | 2,4 | | | | 1,1 | | | 0,4 |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | 10,5 | 6,0 | 4,9 | | 2,7 |

Continued Table G-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | | 5,2 | | 8,7 | | 1,7 |
| 2.- Individual research | | | | | 5,2 | | 8,7 | | 1,7 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | 7,8 | 13,1 | | | | | 2,6 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | 7,8 | 13,1 | | | | | 2,6 |
| 1.- Participation in non-specified community service activities | | 2,3 | | | | 1,9 | 0,3 | | 0,6 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | | | | |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | 1,9 | | | 0,2 |
| 7.- Preparation of information booklets | | 2,3 | | | | | 0,3 | | 0,4 |





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Continued Table G-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | 19,0 | 38,6 | 27,6 | 17,1 | 55,3 | 17,0 | 10,8 | 13,1 | 24,8 |
| 1.- Chairmanship | 9,0 | 22,7 | 24,1 | 5,0 | 23,7 | 6,0 | 3,5 | 5,8 | 12,5 |
| 2.- Head of studies | 5,3 | | | 6,2 | | 5,5 | 6,1 | | 2,9 |
| 3.- Coordination of areas | | | 3,5 | 5,0 | | | 0,6 | 5,8 | 1,9 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | 5,2 | | | 1,5 | 0,8 |
| 6.- Coordination of laboratories and workshops | | 9,8 | | | | | | | 1,2 |
| 7.- Coordination of students' professional practice | | | | 0,9 | 13,2 | 5,5 | 0,6 | | 2,5 |
| 8.- Coordination of community services | 3,1 | | | | | | | | 0,3 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | 6,1 | | | | | | | 0,8 |
| 11.- Other activities in academic administration | 1,6 | | | | 13,2 | | | | 1,9 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-9

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Concepción | Temuco | Valdivia | Puerto Montt | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | 0,7 | 5,6 | | 3,5 | 5,8 | 1,1 | 2,1 |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | 2,9 | | 0,4 |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | 5,6 | | | | | 0,7 |
| 8.- Other non-specified activities | | | | | | | | | |
| | | | 0,7 | | | 3,5 | 2,9 | 1,1 | 1,0 |
| TOTAL DEPARTMENT | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-10

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF CIVIL WORKS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | 31,7 | | | 31,0 | 29,9 | | 30,9 |
| II.- INDIRECT TEACHING | | | 18,4 | | | 46,5 | 53,8 | | 39,6 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | 10,5 | | | 21,1 | 29,0 | | 20,2 |
| 2.- Correction of tests, reports, excercises and theses | | | 4,2 | | | 6,2 | 4,4 | | 4,9 |
| 3.- Attention to students | | | 3,7 | | | 19,2 | 12,1 | | 11,7 |
| 4.- Supervision of assistants and field work | | | | | | | | | |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 8,3 | | 2,8 |





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Continued Table G-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | 2,1 | | | 1,3 | | | 1,1 |
| 2.- Individual research | | | 2,1 | | | 1,3 | | | 1,1 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | 4,0 | | | 1,7 | 6,1 | | 3,9 |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | 4,0 | | | 1,7 | 6,1 | | 3,9 |
| 1.- Participation in non-specified community service activities | | | 1,0 | | | 6,2 | | | 2,4 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | | | 0,5 | | | 0,2 |
| 3.- Participation in cultural activities | | | 1,0 | | | | | | 0,3 |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | 5,7 | | | 1,9 |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |



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Continued Table G-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION: | | | | | | | | | |
| 1.- Chairmanship | | | 28,5 | | | 8,2 | 10,2 | | 15,6 |
| 2.- Head of studies | | | 6,3 | | | 3,3 | 2,3 | | 4,0 |
| 3.- Coordination of areas | | | 4,2 | | | | 3,0 | | 2,3 |
| 4.- Coordination of sections | | | | | | | | | |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | 12,6 | | | | 2,6 | | 5,1 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | 1,2 | | | | | | 0,4 |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | 4,2 | | | 4,9 | 2,3 | | 3,8 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-10

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivi | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | 14,3 | | | 5,1 | | | 6,5 |
| 2.- Technical advisories | | | 4,2 | | | | | | 1,4 |
| 3.- Membership in non-University committees | | | 1,1 | | | | | | 0,4 |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | 9,0 | | | 5,1 | | | 4,7 |
| TOTAL DEPARTMENT | | | 100,0 | | | 100,0 | 100,0 | | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

TABLE G-11

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF ADMINISTRATION AND ECONOMICS

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | | 30,8 | | 29,6 | | 26,6 | 29,0 |
| II.- INDIRECT TEACHING | | | | 47,3 | | 47,1 | | 54,9 | 49,8 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | | 37,4 | | 37,6 | | 33,3 | 36,1 |
| 2.- Correction of tests, reports, excercises and theses | | | | | | 3,2 | | 3,1 | 2,1 |
| 3.- Attention to students | | | | 9,9 | | 4,8 | | 12,3 | 9,0 |
| 4.- Supervision of assistants and field work | | | | | | 1,5 | | 6,2 | 2,6 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | | | |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | | | |

Continued Table G-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | 8,8 | | | | | 2,9 |
| 2.- Individual research | | | | 8,8 | | | | | 2,9 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | | | | | | |
| 2.- Studies leading to Civil Engineering degree | | | | | | | | | |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | | | | | | |
| V.- COMMUNITY SERVICES | | | | | | | | | |
| 1.- Participation in non-specified community service activities | | | | 4,3 | | 1,1 | | | 1,8 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | 4,3 | | 1,1 | | | 1,8 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | | |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table G-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa- | Copiapó | Serena | Talca | Concep- | Temuco | Valdivia | Punta | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | | | | | | | |
| 1.- Chairmanship | | | | 8,8 | | 22,2 | | 18,5 | 16,5 |
| 2.- Head of studies | | | | 8,8 | | 8,5 | | 7,2 | 8,2 |
| 3.- Coordination of areas | | | | | | | | 3,6 | 1,2 |
| 4.- Coordination of sections | | | | | | 12,7 | | 5,2 | 6,0 |
| 5.- Coordination of research or member of research committees | | | | | | | | | |
| 6.- Coordination of laboratories and workshops | | | | | | 1,0 | | | 0,3 |
| 7.- Coordination of students' professional practice | | | | | | | | | |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | | | | |
| 12.- Sports coaching and coordination | | | | | | | | 2,5 | 0,8 |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-11

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | | | |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | | | |
| 8.- Other non-specified activities | | | | | | | | | |
| TOTAL DEPARTMENT | | | | 100,0 | | 100,0 | | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE G-12

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT OF GENERAL STUDIES

WEEKLY FACULTY WORKLOAD BY ACTIVITY AND CAMPUS

(Percentage of the Total by Department)

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepcion | Temuco | Valdivia | Punta Arenas | Mean |
| I.- DIRECT TEACHING (Contact hours) | | | | 43,2 | | 27,3 | 25,5 | 23,0 | 29,8 |
| II.- INDIRECT TEACHING | | | | 27,7 | | 63,6 | 44,7 | 34,4 | 42,6 |
| 1.- Preparation of classes, tests, notes, teaching material and theses | | | | 18,4 | | 45,5 | 12,8 | 18,2 | 23,7 |
| 2.- Correction of tests, reports, excercises and theses | | | | | | 4,5 | 12,8 | 2,2 | 4,9 |
| 3.- Attention to students | | | | 9,4 | | 13,6 | | 7,0 | 7,5 |
| 4.- Supervision of assistants and field work | | | | | | | | 6,0 | 1,5 |
| 5.- Participation in the administration of esams, quizzes and evaluations | | | | | | | | | |
| 6.- Participation in dissertation committees | | | | | | | | | |
| 7.- Bibliographic search and readin of specialized journals | | | | | | | 12,8 | | 3,2 |
| 8.- Updating of courses | | | | | | | | | |
| 9.- Advising | | | | | | | 6,3 | 1,0 | 1,8 |

Continued Table G-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| III.- RESEARCH | | | | | | | | | |
| 1.- Group or team research activities | | | | 7,5 | | | | 1,1 | 2,2 |
| 2.- Individual research | | | | 7,5 | | | | 1,1 | 2,2 |
| IV.- FACULTY DEVELOPMENT | | | | | | | | | |
| 1.- Studies leading to a Bachelor of Arts degree | | | | 12,0 | | | | | 3,0 |
| 2.- Studies leading to Civil Engineering degree | | | | 4,9 | | | | | 1,2 |
| 3.- Graduate studies leading to a Master of Arts degree | | | | | | | | | |
| 4.- Graduate studies leading to a Doctors degree | | | | | | | | | |
| 5.- Other studies | | | | 4,5 | | | | | 1,1 |
| V.- COMMUNITY SERVICES | | | | 2,6 | | | | | 0,7 |
| 1.- Participation in non-specified community service activities | | | | 6,5 | | 9,1 | | 20,6 | 9,1 |
| 2.- Teaching of non-regular courses to clerks, students and public in general | | | | 6,5 | | 9,1 | | | 3,9 |
| 3.- Participation in cultural activities | | | | | | | | | |
| 4.- Field work and visits to industries | | | | | | | | 20,6 | 5,2 |
| 5.- Advising and providing services to industrial laboratories | | | | | | | | | |
| 6.- Project production | | | | | | | | | |
| 7.- Preparation of information booklets | | | | | | | | | |





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Continued Table G-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas | Mean |
| VI.- ACADEMIC ADMINISTRATION | | | | | | | | | |
| 1.- Chairmanship | | | | 3,1 | | | 19,1 | 6,8 | 7,1 |
| 2.- Head of studies | | | | 0,9 | | | | | 0,2 |
| 3.- Coordination of areas | | | | | | | | 2,7 | 0,7 |
| 4.- Coordination of sections | | | | | | | 8,5 | 4,1 | 3,1 |
| 5.- Coordination of research or member of research committees | | | | 0,4 | | | | | 0,1 |
| 6.- Coordination of laboratories and workshops | | | | 0,9 | | | | | 0,2 |
| 7.- Coordination of students' professional practice | | | | 0,9 | | | | | 0,2 |
| 8.- Coordination of community services | | | | | | | | | |
| 9.- Coordination of public services | | | | | | | | | |
| 10.- Department meetings | | | | | | | | | |
| 11.- Other activities in academic administration | | | | | | | 10,6 | | 2,6 |
| 12.- Sports coaching and coordination | | | | | | | | | |
| 13.- Head of planning offices | | | | | | | | | |
| 14.- Registrar's office | | | | | | | | | |
| 15.- Academic secretary | | | | | | | | | |
| 16.- Vice-Rectory | | | | | | | | | |

Continued Table G-12

| ACADEMIC ACTIVITIES | CAMPUSES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdivia | Punta Arenas | Mean |
| VII.- OTHER ACTIVITIES | | | | | | | | | |
| 1.- Participation in non-academic activities on campus or in the community | | | | | | | 10,7 | 14,1 | 6,2 |
| 2.- Technical advisories | | | | | | | | | |
| 3.- Membership in non-University committees | | | | | | | | | |
| 4.- Implementation of laboratories and computing programs | | | | | | | | | |
| 5.- Sports coaching and training of non-academic personnel | | | | | | | | | |
| 6.- Non-departmental meetings | | | | | | | | | |
| 7.- Healt licenses | | | | | | | 10,7 | | 2,7 |
| 8.- Other non-specified activities | | | | | | | | 11,9 | 3,0 |
| | | | | | | | | 2,2 | 0,5 |
| TOTAL DEPARTMENT | | | | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 |

Source: According to statements made by faculty members themselves during first semester in 1982

Page 4 of 4

TABLE H-1

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

TEACHING CONTACT HOURS

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 311 | 515 | 403 | 315 | 288 | 374 | 276 | 244 |
| Chemistry | 198 | | | | | | | 157 |
| Mechanics | 216 | | 218 | 176 | 256 | 316 | 190 | 153 |
| Electricity | 196 | | | | 185 | 324 | 195 | 134 |
| Mining | 138 | 206 | 202 | | | | | |
| Geomeasurement | 114 | 84 | 116 | | | | | |
| Civil Works | | | 151 | | | 130 | 158 | |
| Administration and Econ. | | | | 56 | | 56 | | 52 |
| General Studies | | 157 | | 385 | | 12 | 12 | 85 |
| Technology | 121 | 59 | 44 | | 68 | 6 | 200 | 68 |
| Architecture | | | | | 153 | | | |
| Ship Construction | | | | | | | 165 | |
| Metallurgy | | 184 | | | | | | |
| Wood Technology | | | | | 75 | | | |
| Biological Sciences | | | | | | | | 188 |
| Sports | 16 | 54 | 58 | | 70 | 36 | | |
| Academic Secretary | 24 | | 26 | | | | | |
| Inditec | | | 29 | | | | | |
| Total | 1334 | 1259 | 1247 | 932 | 1095 | 1254 | 1196 | 1081 |

TABLE H-2

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

INDIRECT TEACHING

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 664 | 557 | 271 | 259 | 486 | 693 | 519 | 401 |
| Chemistry | 319 | | | | | | | 290 |
| Mechanics | 381 | | 167 | 200 | 348 | 313 | 291 | 255 |
| Electricity | 221 | | | | 133 | 594 | 197 | 271 |
| Mining | 130 | 262 | 86 | | | | | |
| Geomeasurement | 122 | 74 | 83 | | | | | |
| Civil Works | | | 88 | | | 195 | 284 | |
| Administration and Econ. | | | | 86 | | 89 | | 107 |
| General Studies | | 292 | | 247 | | 28 | 18 | 127 |
| Technology | 276 | 19 | 46 | | 138 | 24 | 210 | 154 |
| Architecture | | | | | 205 | | | |
| Ship Construction | | | | | | | 225 | |
| Metallurgy | | 75 | | | | | | |
| Wood Technology | | | | | 131 | | | |
| Biological Sciences | | | | | | | | 82 |
| Sports | 18 | 24 | 7 | | 18 | 22 | | |
| Academic Secretary | 52 | | 25 | | | | | |
| Inditec | | 13 | | | | | | |
| Total | 2183 | 1316 | 773 | 792 | 1459 | 1958 | 1744 | 1687 |

TABLE H-3

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

RESEARCH

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 26 | 46 | 43 | 28 | | 8 | 2 | 20 |
| Chemistry | 48 | | | | | | | 142 |
| Mechanics | 51 | | | 42 | 4 | 16 | 28 | 10 |
| Electricity | 72 | | | | 33 | 63 | 26 | 50 |
| Mining | 30 | 33 | 3 | | | | | |
| Geomeasurement | 2 | 6 | 10 | | | | | |
| Civil Works | | | 10 | | 5 | | | |
| Administration and Econ. | | | | 16 | | | | |
| General Studies | | 41 | | 67 | | | | 4 |
| Technology | | | | | | 4 | 30 | |
| Architecture | | | | | 4 | | | |
| Ship Construction | | | | | | | 10 | |
| Metallurgy | | 35 | | | | | | |
| Wood Technology | | | | | 3 | | | |
| Biological Sciences | | | | | | | | |
| Sports | | | | | | | | |
| Academic Secretary | 8 | | 80 | | | | | |
| Inditec | | 132 | | | | | | |
| Total | 237 | 293 | 146 | 153 | 49 | 91 | 96 | 226 |

TABLE H-4

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

FACULTY DEVELOPMENT

(Hours)

| ACADEMIC DEPARTMENT | C A M P U S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdi-via | Punta Arenas |
| Pure Sciences | 206 | 195 | 279 | 86 | 174 | 51 | 228 | 68 |
| Chemistry | 120 | | | | | | | |
| Mechanics | | | 10 | 3 | 42 | 48 | 14 | 44 |
| Electricity | | | | | 129 | 55 | | |
| Mining | | 44 | | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | 19 | | | 7 | 32 | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | 107 | | | | |
| Technology | | | 11 | | 16 | | | |
| Architecture | | | | | 2 | | | |
| Ship Construction | | | | | | | 44 | |
| Metallurgy | | 19 | | | | | | |
| Wood Technology | | | | | 49 | | | |
| Biological Sciences | | | | | | | | 44 |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | 326 | 258 | 319 | 196 | 412 | 161 | 318 | 156 |

TABLE H-5

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

COMMUNITY SERVICES

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 28 | 42 | 69 | 28 | 8 | | 10 | 13 |
| Chemistry | 16 | | | | | | | 13 |
| Mechanics | 18 | | 34 | 23 | | 6 | 4 | 8 |
| Electricity | 67 | | | | 31 | 28 | 49 | 15 |
| Mining | 14 | 5 | 10 | | | | | |
| Geomeasurement | 10 | | 1 | | | | | |
| Civil Works | | | 5 | | | 26 | | |
| Administration and Econ. | | | | 8 | | 2 | | |
| General Studies | | 79 | | 58 | | 4 | | 76 |
| Technology | | 3 | | | | | 5 | |
| Architecture | | | | | 2 | | | |
| Ship Construction | | | | | | | 27 | |
| Metallurgy | | 17 | | | | | | |
| Wood Technology | | | | | 2 | | | |
| Biological Sciences | | | | | | | | |
| Sports | 6 | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | 159 | 146 | 119 | 117 | 43 | 66 | 95 | 125 |

TABLE H-6

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

ACADEMIC ADMINISTRATION

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 83 | 41 | 160 | 76 | 215 | 93 | 79 | 56 |
| Chemistry | 79 | | | | | | | 79 |
| Mechanics | 91 | | 180 | 84 | 122 | 90 | 94 | 28 |
| Electricity | 103 | | | | 122 | 131 | 105 | 32 |
| Mining | 40 | 40 | 109 | | | | | 6 |
| Geomeasurement | 16 | 24 | 46 | | | | | |
| Civil Works | | | 136 | | | 35 | 54 | |
| Administration and Econ. | | | | 16 | | 42 | | 36 |
| General Studies | | 87 | | 60 | | | 9 | 25 |
| Technology | 93 | 51 | 39 | | 55 | 47 | 71 | 34 |
| Architecture | | | | | 25 | | | |
| Ship Construction | | | | | | | 98 | |
| Metallurgy | | 62 | | | | | | |
| Wood Technology | | | | | 31 | | | |
| Biological Sciences | | | | | | | | 14 |
| Sports | 20 | 10 | 11 | | 25 | 11 | | |
| Academic Secretary | 4 | | 40 | | | | | |
| Inditec | | 26 | | | | | | |
| | 529. | 315 | 747 | 236 | 595 | 449 | 510 | 304 |

TABLE H-7

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

OTHER ACTIVITIES (NON-SPECIFIED)

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdi-via | Punta Arenas |
| Pure Sciences | | 9 | 99 | | 104 | 44 | 4 | 28 |
| Chemistry | | | | | | | | 26 |
| Mechanics | | | | | 92 | 24 | 25 | 60 |
| Electricity | | | | | | | 10 | 26 |
| Mining | | 44 | 13 | | | | | |
| Geomeasurement | | 20 | 1 | | | | | |
| Civil Works | | | 43 | | | 22 | | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | | | | 5 | 52 |
| Technology | | | 1 | | 44 | | 27 | 3 |
| Architecture | | | | | 46 | | | |
| Ship Construction | | | | | | | 30 | |
| Metallurgy | | | | | | | | |
| Wood Technology | | | | | 61 | | | |
| Biological Sciences | | | | | | | | 81 |
| Sports | | 45 | | | 18 | 19 | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | | 118 | 157 | | 365 | 109 | 101 | 276 |

TABLE I-1

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

TEACHING CONTACT HOURS

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Fire Sciences | 23,3 | 40,9 | 32,3 | 33,8 | 26,3 | 29,8 | 23,1 | 22,6 |
| Chemistry | 14,8 | | | | | | | 14,5 |
| Mechanics | 16,2 | | 17,5 | 18,9 | 23,4 | 25,2 | 15,9 | 14,2 |
| Electricity | 14,7 | | | | 16,8 | 25,8 | 16,3 | 12,4 |
| Mining | 10,3 | 16,4 | 16,2 | | | | | |
| Geomeasurement | 8,5 | 6,7 | 9,3 | | | | | |
| Civil Works | | | 12.1 | | | 10,3 | 13,2 | |
| Administration and Econ. | | | | 6,0 | | 4,5 | | 4,7 |
| General Studies | | 12,5 | | 41,3 | | 1,0 | 1,0 | 7,9 |
| Technology | 9,1 | 4,7 | 3,5 | | 6,2 | 0,5 | 16,7 | 6,3 |
| Architecture | | | | | 13,9 | | | |
| Ship Construction | | | | | | | 13,8 | |
| Metallurgy | | 14,6 | | | | | | |
| Wood Technology | | | | | 6,8 | | | |
| Biological Sciences | | | | | | | | 17,4 |
| Sports | 1,3 | 4,2 | 4,7 | | 6,3 | 2,9 | | |
| Academic Secretary | 1,8 | | 2,1 | | | | | |
| Inditec | | | 2,3 | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |



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TABLE I-2

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

INDIRECT TEACHING

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 30,4 | 42,3 | 35,1 | 32,7 | 33,3 | 35,4 | 29,8 | 23,8 |
| Chemistry | 14,6 | | | | | | | 17,2 |
| Mechanics | 17,5 | | 21,6 | 25,3 | 23,9 | 16,0 | 16,7 | 15,1 |
| Electricity | 10,1 | | | | 9,1 | 30,3 | 11,3 | 16,1 |
| Mining | 6,0 | 19,9 | 11,1 | | | | | |
| Geomeasurement | 5,6 | 5,6 | 10,7 | | | | | |
| Civil Works | | | 11,4 | | | 10,0 | 16,3 | |
| Administration and Econ. | | | | 10,8 | | 4,5 | | 6,3 |
| General Studies | | 22,2 | | 31,2 | | 1,4 | 1,0 | 7,5 |
| Technology | 12,6 | 1,5 | 6,0 | | 9,5 | 1,2 | 12,0 | 9,1 |
| Architecture | | | | | 14,0 | | | |
| Ship Construction | | | | | | | 12,9 | |
| Metallurgy | | 5,7 | | | | | | |
| Wood Technology | | | | | 9,0 | | | |
| Biological Sciences | | | | | | | | 4,9 |
| Sports | 0,8 | 1,8 | 0,9 | | 1,2 | 1,2 | | |
| Academic Secretary | 2,4 | | 3,2 | | | | | |
| Inditec | | 1,0 | | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TABLE I-3

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

RESEARCH

(Percetage of the Total by Campus)

| ACADEMIC DEPARTMENT | C A M P U S E S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 11,0 | 15,7 | 29,5 | 18,3 | | 8,8 | 2,0 | 8,8 |
| Chemistry | 20,3 | | | | | | | 62,8 |
| Mechanics | 21,5 | | | 27,5 | 8,2 | 17,6 | 29,2 | 4,4 |
| Electricity | 30,4 | | | | 67,3 | 69,2 | 27,1 | 22,1 |
| Mining | 12,7 | 11,3 | 2,1 | | | | | |
| Geomeasurement | 0,7 | 2,0 | 6,8 | | | | | |
| Civil Works | | | 6,8 | | 10,2 | | | |
| Administration and Econ. | | | | 10,4 | | | | |
| General Studies | | 14,0 | | 43,8 | | | | 1,9 |
| Technology | | | | | | 4,4 | 31,3 | |
| Architecture | | | | | 8,2 | | | |
| Ship Construction | | | | | | | 10,4 | |
| Metallurgy | | 11,9 | | | | | | |
| Wood Technology | | | | | 6,1 | | | |
| Biological Sciences | | | | | | | | |
| Sports | | | | | | | | |
| Academic Secretary | 3,4 | | 54,8 | | | | | |
| Inditec | | 45,1 | | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TABLE I-4

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

FACULTY DEVELOPMENT

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 63,2 | 75,6 | 87,5 | 43,9 | 42,2 | 31,7 | 71,7 | 43,6 |
| Chemistry | 36,8 | | | | | | | |
| Mechanics | | | 3,1 | 1,5 | 10,2 | 29,8 | 4,4 | 28,2 |
| Electricity | | | | | 31,3 | 34,2 | | |
| Mining | | 17,0 | | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | 6,0 | | | 4,3 | 10,1 | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | 54,6 | | | | |
| Technology | | | 3,4 | | 3,9 | | | |
| Architecture | | | | | 0,5 | | | |
| Ship Construction | | | | | | | 13,8 | |
| Metallurgy | | 7,4 | | | | | | |
| Wood Technology | | | | | 11,9 | | | |
| Biological Sciences | | | | | | | | 28,2 |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TABLE I-5

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

COMMUNITY SERVICES

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 17,6 | 28,8 | 58,0 | 23,9 | 18,6 | | 10,5 | 10,4 |
| Chemistry | 10,1 | | | | | | | 10,4 |
| Mechanics | 11,3 | | 28,6 | 19,7 | | 9,1 | 4,2 | 6,4 |
| Electricity | 42,1 | | | | 72,0 | 42,4 | 51,6 | 12,0 |
| Mining | 8,8 | 3,4 | 8,4 | | | | | |
| Geomeasurement | 6,3 | | 0,8 | | | | | |
| Civil Works | | | 4,2 | | | 39,4 | | |
| Administration and Econ. | | | | 6,8 | | 3,0 | | |
| General Studies | | 54,1 | | 49,6 | | 6,1 | | 60,8 |
| Technology | | 2,1 | | | | | 5,3 | |
| Architecture | | | | | 4,7 | | | |
| Ship Construction | | | | | | | 28,4 | |
| Metallurgy | | 11,6 | | | | | | |
| Wood Technology | | | | | 4,7 | | | |
| Biological Sciences | | | | | | | | |
| Sports | 3,8 | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

TABLE I-6

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAD BY DEPARTMENT AND CAMPUS

ACADEMIC ADMINISTRATION

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 15,7 | 13,0 | 21,4 | 32,2 | 36,2 | 20,7 | 15,5 | 18,4 |
| Chemistry | 14,9 | | | | | | | 26,0 |
| Mechanics | 17,2 | | 24,1 | 35,6 | 20,5 | 20,0 | 18,4 | 9,2 |
| Electricity | 19,5 | | | | 20,5 | 29,2 | 20,6 | 10,5 |
| Mining | 7,6 | 12,7 | 14,6 | | | | | |
| Geomeasurement | 3,0 | 7,6 | 6,1 | | | | | |
| Civil Works | | | 18,2 | | | 7,8 | 10,6 | |
| Administration and Econ. | | | | 6,8 | | 9,3 | | 11,8 |
| General Studies | | 27,6 | | 25,4 | | | 1,8 | 8,2 |
| Technology | 17,6 | 16,2 | 5,2 | | 9,2 | 10,5 | 13,9 | 11,2 |
| Architecture | | | | | 4,2 | | | |
| Ship Construction | | | | | | | 19,2 | |
| Metallurgy | | 19,7 | | | | | | |
| Wood Technology | | | | | 5,2 | | | 4,6 |
| Biological Sciences | | | | | | | | 4,6 |
| Sports | 3,8 | 3,2 | 1,5 | | 4,2 | 2,5 | | |
| Academic Secretary | 0,7 | | 5,4 | | | | | |
| Inditec | | 3,5 | | | | | | |
| Total | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |



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TABLE I-7

UNIVERSIDAD TECNICA DEL ESTADO

SUMMARY OF FACULTY WORKLOAF BY DEPARTMENT AND CAMPUS

OTHER ACTIVITIES (NON-SPECIFIED)

(Percentage of the Total by Campus)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 7,6 | 7,6 | 63,1 | | 28,5 | 40,4 | 4,0 | 10,1 |
| Chemistry | | | | | | | | 9,4 |
| Mechanics | | | | | 25,2 | 22,0 | 24,8 | 21,7 |
| Electricity | | | | | | | 9,9 | 9,6 |
| Mining | | 37,3 | 8,3 | | | | | |
| Geomeasurement | | 16,9 | 0,6 | | | | | |
| Civil Works | | | 27,4 | | | 20,2 | | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | | | | 4,9 | 18,8 |
| Technology | | | 0,6 | | 12,1 | | 26,7 | 1,1 |
| Architecture | | | | | 12,6 | | | |
| Ship Construction | | | | | | | 29,7 | |
| Metallurgy | | | | | | | | |
| Wood Technology | | | | | 16,7 | | | |
| Biological Sciences | | | | | | | | 29,4 |
| Sports | | 38,2 | | | 4,9 | 17,4 | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |
| Total | | 100,0 | 100,0 | | 100,0 | 100,0 | 100,0 | 100,0 |

TABLE J-1

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

IDIRECT TEACHING/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 2,1 | 1,1 | 0,7 | 0,8 | 1,7 | 1,9 | 1,9 | 1,6 |
| Chemistry | 1,6 | | | | | | | 1,9 |
| Mechanics | 1,8 | | 0,8 | 1,1 | 1,4 | 1,6 | 1,5 | 1,7 |
| Electricity | 1,1 | | | | 0,7 | 2,3 | 1,0 | 2,0 |
| Mining | 0,9 | 1,3 | 0,4 | | | | | |
| Geomeasurement | 1,1 | 0,9 | 0,7 | | | | | |
| Civil Works | | | 0,6 | | | 1,5 | 1,8 | |
| Administration and Econ. | | | | 1,5 | | 1,6 | | 2,1 |
| General Studies | | 1,3 | | 0,6 | | | 1,5 | 1,5 |
| Technology | 2,3 | 0,3 | 1,1 | | 2,0 | 4,0 | 2,4 | 2,3 |
| Architecture | | | | | 1,3 | | | |
| Ship Construction | | | | | | | 1,4 | |
| Metallurgy | | 0,4 | | | | | | |
| Wood Technology | | | | | 1,8 | | | |
| Biological Sciences | | | | | | | | 0,4 |
| Sports | 1,1 | | 0,1 | | 0,3 | | | |
| Academic Secretary | 2,2 | | 1,0 | | | | | |
| Inditec | | | 0,7 | | | | | |

TABLE J-2

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

RESEARCH/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 0,1 | 0,1 | 0,1 | 0,1 | | 0,1 | 0,1 | 0,1 |
| Chemistry | 0,2 | | | | | | | 0,9 |
| Mechanics | 0,2 | | | 0,2 | 0,1 | 0,1 | 0,2 | 0,1 |
| Electricity | | | | | 0,2 | 0,2 | 0,1 | 0,4 |
| Mining | 0,2 | 0,2 | 0,2 | | | | | |
| Geomeasurement | 0,1 | 0,1 | 0,1 | | | | | |
| Civil Works | | | 0,1 | | | 0,1 | | |
| Administration and Econ. | | | | 0,3 | | | | |
| General Studies | | 0,3 | | 0,2 | | | | 0,1 |
| Technology | | | | | | 0,7 | 0,2 | |
| Architecture | | | | | 0,1 | | | |
| Ship Construction | | | | | | | 0,1 | |
| Metallurgy | | 0,2 | | | | | | |
| Wood Technology | | | | | 0,1 | | | |
| Biological Sciences | | | | | | | | |
| Sports | 0,4 | | | | | | | |
| Academic Secretary | 0,3 | | | | | | | |
| Inditec | | | 4,0 | | | | | |

TABLE J-3

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

FACULTY DEVELOPMENT/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 0,7 | 0,4 | 0,7 | 0,3 | 0,6 | 0,1 | 0,8 | 0,3 |
| Chemistry | 0,6 | | | | | | | |
| Mechanics | | | 0,1 | 0,1 | 0,2 | 0,2 | 0,1 | 0,3 |
| Electricity | | | | | 0,7 | 0,2 | | |
| Mining | | 0,2 | | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | 0,1 | | | 0,1 | 0,2 | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | 0,3 | | | | |
| Technology | | | | | 0,1 | | | |
| Architecture | | | | | 0,1 | | | |
| Ship Construction | | | | | | | 0,3 | |
| Metallurgy | | 0,1 | | | | | | |
| Wood Technology | | | | | 0,7 | | | |
| Biological Sciences | | | | | | | | 0,2 |
| Sports | | | 0,2 | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |



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TABLE J-4

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

COMMUNITY SERVICES/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | C A M P U S E S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdi-via | Punta Arenas |
| Pure Sciences | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 | | 0,1 | 0,1 |
| Chemistry | 0,1 | | | | | | | 0,1 |
| Mechanics | 0,1 | | 0,2 | 0,1 | | 0,1 | 0,1 | 0,1 |
| Electricity | 0,3 | | | | 0,2 | 0,1 | 0,3 | 0,1 |
| Mining | 0,1 | 0,1 | 0,1 | | | | | |
| Geomeasurement | 0,1 | | 0,1 | | | | | |
| Civil Works | | | 0,1 | | | 0,2 | | |
| Administration and Econ. | | | | 0,1 | | 0,1 | | |
| General Studies | | 0,5 | | 0,2 | | 0,3 | | 0,9 |
| Technology | | 0,1 | | | | | 0,1 | |
| Architecture | | | | | 0,1 | | | |
| Ship Construction | | | | | | | 0,2 | |
| Metallurgy | | 0,1 | | | | | | |
| Wood Technology | | | | | 0,1 | | | |
| Biological Sciences | | | | | | | | |
| Sports | 0,4 | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

TABLE J-5

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

ADMINISTRATION/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 0,3 | 0,1 | 0,4 | 0,2 | 0,8 | 0,3 | 0,3 | 0,2 |
| Chemistry | 0,4 | | | | | | | 0,6 |
| Mechanics | 0,4 | | 0,6 | 0,5 | 0,5 | 0,3 | 0,5 | 0,2 |
| Electricity | 0,5 | | | | 0,7 | 0,4 | 0,5 | 0,2 |
| Mining | 0,3 | 0,2 | 0,5 | | | | | |
| Geomeasurement | 0,1 | 0,3 | 0,4 | | | | | |
| Civil Works | | | 0,9 | | | | 0,3 | |
| Administration and Econ. | | | | 0,3 | | 0,8 | | 0,7 |
| General Studies | | 0,6 | | 0,2 | | | 0,8 | 0,3 |
| Technology | 0,8 | 0,9 | 0,9 | | 0,8 | 7.0 | 0,8 | 0,5 |
| Architecture | | | | | 0,2 | | | |
| Ship Construction | | | | | | | 0,6 | |
| Metallurgy | | 0,3 | | | | | | |
| Wood Technology | | | | | 0,4 | | | |
| Biological Sciences | | | | | | | | 0,1 |
| Sports | 1,3 | 0,2 | 0,2 | | 0,4 | 0,3 | | |
| Academic Secretary | 0,2 | | 0,7 | | | | | |
| Inditec | | | 1,3 | | | | | |

TABLE J-6

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

OTHER ACTIVITIES/DIRECT TEACHING RATIO BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | | 0,1 | 0,3 | | 0,4 | 0,1 | 0,1 | 0,1 |
| Chemistry | | | | | | | | 0,2 |
| Mechanics | | | | | 0,1 | 0,1 | 0,1 | 0,4 |
| Electricity | | | | | | | 0,1 | 0,2 |
| Mining | | 0,2 | 0,1 | | | | | |
| Geomeasurement | | 0,2 | 0,1 | | | | | |
| Civil Works | | | 0,3 | | | 0,2 | | |
| Administration and Econ. | | | | | | | | |
| General Studies | | | | | | | 0,4 | 0,6 |
| Technology | | | 0,1 | | 0,7 | | 0,3 | |
| Architecture | | | | | 0,3 | | | |
| Ship Construction | | | | | | | 0,2 | |
| Metallurgy | | | | | | | | |
| Wood Technology | | | | | 0,8 | | | |
| Biological Sciences | | | | | | | | 0,4 |
| Sports | | 0,8 | | | 0,3 | 0,5 | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

TABLE K-1

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

WEEKLY TEACHING LOAD BY DEPARTMENT

CURRICULUM

| ACADEMIC DEPARTMENT | C A M P U S E S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdi-via | Punta Arenas |
| Pure Sciences | 73 | 316 | 95 | 273 | 101 | 278 | 139 | 278 |
| Chemestry | 164 | | | | | | | 170 |
| Mechanics | 184 | | 164 | 150 | 167 | 183 | 163 | 174 |
| Electricity | 142 | | | | 183 | 159 | 166 | 157 |
| Mining | 114 | 131 | 117 | | | | | |
| Geomeasurement | 138 | 84 | 112 | | | | | |
| Civil Works | | | 161 | | | 196 | 160 | |
| Administration and Econ. | | | | 186 | | 168 | | 144 |
| General Studies | | 159 | | 329 | | | | 121 |
| Technology | 342 | 178 | 110 | | 360 | | 377 | 246 |
| Architecture | | | | | 298 | | | |
| Ship Construction | | | | | | | 125 | |
| Metallurgy | | 149 | | | | | | |
| Wood Technology | | | | | 84 | | | |
| Biological Sciences | | | | | | | | 207 |
| Sports | | | | 26 | | | | |
| Academic Secretary | 82 | | 16 | | 12 | 66 | 14 | |
| Inditec | | | | | | | | |

TABLE K-2

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

NUMBER OF FACULTY BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 25 | 26 | 22 | 17 | 25 | 22 | 23 | 20 |
| Chemistry | 15 | 6 | | | | | | |
| Mechanics | 18 | | 18 | 12 | 18 | 18 | 15 | 12 |
| Electricity | 16 | | | | 17 | 17 | 15 | 11 |
| Mining | 11 | 15 | 13 | | | | | |
| Geomeasurement | 7 | 6 | 6 | | | | | |
| Civil Works | | | 13 | | | 12 | 12 | |
| Administration and Eco. | | | | 6 | | 6 | | 6 |
| general studies | | 11 | 1 | 16 | 1 | 1 | 1 | 3 |
| Technology | 7 | 4 | 5 | | 6 | | 16 | 6 |
| Architecture | | | | | 12 | | | |
| Ship Construction | | | | | | | 16 | |
| Wood Technology | | | | | 7 | | | |
| Biological Sciences | | | | | | | | 8 |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

TABLE K-3

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

WEEKLY TEACHING LOAD PER FACULTY MEMBERS BY DEPARTMENT

| ACADEMIC DEPARTMENT | C A M P U S E S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofa-gasta | Copiapó | Serena | Talca | Concep-ción | Temuco | Valdi-via | Punta Arenas |
| Pure Sciences | 2,9 | 12,2 | 4,3 | 16,1 | 4,0 | 12,6 | 6,0 | 13,9 |
| Chemistry | 10,9 | | | | | | | 15,5 |
| Mechanics | 10,2 | | 9,1 | 12,5 | 9,3 | 10,2 | 10,9 | 14,5 |
| Electricity | 8,9 | | | | 10,8 | 9,4 | 11,1 | 14,3 |
| Mining | 10,4 | 8,7 | 9,0 | | | | | |
| Geomeasurement | 21,2 | 14,0 | 18,7 | | | | | |
| Civil Works | | | 12,4 | | | 16,3 | 13,3 | |
| Administration and Econ. | | | | 31,0 | | 28,0 | | 24,0 |
| General Studies | | 14,5 | | 20,6 | | | | |
| Technology | 48,9 | 44,5 | 22,0 | | 60,0 | | 45,1 | 41,0 |
| Architecture | | | | | 24,8 | | | |
| Ship Construction | | | | | | | 7,8 | |
| Metallurgy | | 11,5 | | | | | | |
| Wood Technology | | | | | 12,0 | | | |
| Biological Sciences | | | | | | | | 25,9 |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

TABLE L-1

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

NUMBER OF STUDENTS BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 1.247 | 757 | 1,213 | 637 | 1.097 | 995 | 1.104 | 469 |
| Chemistry | 592 | | | | | | | 197 |
| Mechanics | 1.041 | | 788 | 341 | 966 | 677 | 350 | 255 |
| Electricity | 499 | | | | 511 | 547 | 215 | 151 |
| Mining | 318 | 405 | 394 | | | | | |
| Geomeasurement | 157 | 261 | 225 | | | | | |
| Civil Works | | | 463 | | | 411 | 278 | |
| Administration and Econ. | | | | 295 | | 462 | | 291 |
| General Studies | | 234 | | 491 | | | | 369 |
| Technology | 335 | 189 | 163 | | 730 | | 595 | |
| Architecture | | | | | 269 | | | |
| Ship Construction | | | | | | | 283 | |
| Metallurgy | | 74 | | | | | | |
| Wood Technology | | | | | 227 | | | |
| Biological Sciences | | | | | | | | 128 |
| Sports | | | | 457 | | | | |
| Academic Secretary | 595 | | 274 | | 274 | 306 | 340 | |
| Inditec | | | | | | | | |



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TABLE L-2

UNIVERSIDAD TECNICA DEL ESTADO

ALL CAMPUSES

STUDENT/FACULTY RATIOS BY DEPARTMENT

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Sciences | 49,9 | 29,1 | 55,1 | 37,5 | 43,9 | 45,2 | 48,0 | 23,5 |
| Chemistry | 39,5 | | | | | | | 17,9 |
| Mechanics | 57,8 | | 23,8 | 28,4 | 51,7 | 37,6 | 23,9 | 21,3 |
| Electricity | 31,2 | | | | 30,1 | 32,2 | 14,3 | 13,7 |
| Mining | 28,9 | 27,0 | 30,3 | | | | | |
| Geomeasurement | 24,2 | 43,5 | 37,5 | | | | | |
| Civil Works | | | 35,6 | | | 34,3 | 23,2 | |
| Administration and Econ. | | | | 49,2 | | 77,0 | | 48,5 |
| General Studies | | 21,3 | | 30,7 | | | | 123,0 |
| Technology | 47,9 | 47,3 | 32,6 | | 121,7 | | 83,8 | 18,5 |
| Architecture | | | | | 22,4 | | | |
| Ship Construction | | | | | | | 17,7 | |
| Metallurgy | | 5,7 | | | | | | |
| Wood Technology | | | | | 32,4 | | | |
| Biological Sciences | | | | | | | | 16,0 |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

TABLE M-1

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

TEACHING CONTACT HOURS

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 177 | 230 | 21 | 125 | 179 | 199 | 210 | 146 |
| Chemistry | 96 | | | | | | | 68 |
| Mechanics | 99 | | 113 | 68 | 133 | 120 | 82 | 85 |
| Electricity | 76 | | | | 105 | 116 | 91 | 64 |
| Mining | 63 | 70 | 78 | | | | | |
| Geomeasurement | 61 | 42 | 53 | | | | | |
| Civil Works | | | 79 | | | 82 | | 66 |
| Administration and Eco. | | | | 80 | | 82 | | 66 |
| General Studies | | 78 | | 141 | | | | 67 |
| Technology | 84 | 73 | 55 | | 200 | | 216 | 104 |
| Architecture | | | | | 156 | | | |
| Ship Construction | | | | | | | 60 | |
| Metallurgy | | 73 | | | | | | |
| Wood Technology | | | | | 34 | | | |
| Biological Sciences | | | | | | | | 119 |
| Sports | | | | 56 | | | | |
| Academic Secretary | 39 | | 19 | - | 15 | 39 | 13 | |
| Inditec | | | 6 | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.

TABLE M-2

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

INDIRECT TEACHING

(Hours)

| ACADEMIC DEPARTMENT | C A M P U S E S | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 354 | 459 | 436 | 250 | 358 | 398 | 420 | 219 |
| Chemistry | 191 | | | | | | | 136 |
| Mechanics | 199 | | 226 | 125 | 267 | 241 | 165 | 169 |
| Electricity | 152 | | | | 211 | 233 | 182 | 128 |
| Mining | 126 | 140 | 156 | | | | | |
| Geomeasurement | 122 | 84 | 106 | | | | | |
| Civil Works | | | 159 | | | | | |
| Administration and Eco. | | | | 160 | | 164 | | 132 |
| General Studies | | 156 | | 282 | | | | 133 |
| Technology | 315 | 147 | 109 | | 399 | | 433 | 208 |
| Architecture | | | | | 312 | | | |
| Ship Construction | | | | | | | 121 | |
| Metallurgy | | 146 | | | | | | |
| Wood Technology | | | | | 69 | | | |
| Biological Sciences | | | | | | | | 238 |
| Sports | | | 112 | | | | | |
| Academic Secretary | 74 | | 38 | | 31 | 77 | 25 | |
| Inditec | | | 13 | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.

TABLE M-3

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

RESEARCH
(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 48 | 40 | 40 | | | | | 30 |
| Chemistry | 56 | | | | | | | 185 |
| Mechanics | 10 | | | 6 | | | 48 | 12 |
| Electricity | 92 | | | | 20 | 128 | | 85 |
| Mining | 25 | 12 | 16 | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | 12 | | | | 6 | |
| Administration and Eco. | | | | | | | | |
| General Studies | | | | | 53 | | | |
| Technology | | | | | | | 45 | |
| Architecture | | | | | 31 | | | |
| Ship Construction | | | | | | | 8 | |
| Metallurgy | | 32 | | | | | | |
| Wood Technology | | | | 59 | | | | |
| Biological Sciences | | | | | | | | |
| Sports | | | | | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | 151 | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.

TABLE M-4

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

FACULTY DEVELOPMENT

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 72 | 75 | 141 | 18 | 72 | 72 | 153 | 36 |
| Chemistry | 72 | | | | | | | 72 |
| Mechanics | 72 | | | | | 26 | | 148 |
| Electricity | | | | | 36 | | 36 | 30 |
| Mining | | 36 | | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | | | | | | |
| Administration and Eco. | | | | | | | | |
| General Studies | | | | | | | | 16 |
| Technology | 34 | 5 | | | | | | |
| Architecture | | | | | | | | |
| Ship Construction | | | | | | | 144 | |
| Metallurgy | | | | | | | | |
| Wood Technology | | | | | | | | |
| Biological Sciences | | | | | | | | 36 |
| Sports | | | | | | | | |
| Academic Secretary | | | 36 | | | | | |
| Inditec | | | | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.

TABLE M-5

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

COMMUNITY DEVELOPMENT

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 5 | 27 | 9 | | 3 | | 3 | 3 |
| Chemistry | | | | | | | | |
| Mechanics | | | | | | 2 | | |
| Electricity | | | | | | | | |
| Mining | | | | | | | | |
| Geomeasurement | | | | | | | | |
| Civil Works | | | | | | 6 | | |
| Administration and Eco. | | | | | | | | 5 |
| General Studies | | | | | | | | |
| Technology | | | | | | | | |
| Architecture | | | | | | | | |
| Ship Construction | | | | | | | | |
| Metallurgy | | | | | | | | |
| Wood Technology | | | | | | | | |
| Biological Sciences | | | | | | | | |
| Sports | | | | 12 | | | | |
| Academic Secretary | | | | | | | | |
| Inditec | | | | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.

TABLE M-6

UNIVERSIDAD TECNICA DEL ESTADO

DEPARTMENT WORKLOAD BY CAMPUS

ACADEMIC ADMINISTRATION

(Hours)

| ACADEMIC DEPARTMENT | CAMPUSES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Antofagasta | Copiapó | Serena | Talca | Concepción | Temuco | Valdivia | Punta Arenas |
| Pure Science | 115 | 96 | 175 | 98 | 168 | 94 | 107 | 100 |
| Chemistry | 95 | | | | | | | 103 |
| Mechanics | 115 | | 108 | 59 | 144 | 122 | 159 | 151 |
| Electricity | 107 | | | | 112 | 97 | 162 | 94 |
| Mining | 115 | 96 | 89 | | | | | |
| Geomeasurement | 90 | 59 | 44 | | | | | |
| Civil Works | | | 95 | | | 112 | 123 | |
| Administration and Eco. | | | | 32 | | 62 | | 82 |
| General Studies | | 71 | | 50 | | | | 77 |
| Technology | 62 | 95 | 41 | | 172 | | 122 | 59 |
| Architecture | | | | | 96 | | | |
| Ship Construction | | | | | | | 137 | |
| Metallurgy | | 102 | | | | | | |
| Wood Technology | | | | | 96 | | | |
| Biological Sciences | | | | | | | | 88 |
| Sports | | | | 32 | | | | |
| Academic Secretary | | | 25 | | | | | |
| Inditec | | | | | | | | |

Source: Information requested by the Human Resources Division, Planning Office in October 1981.